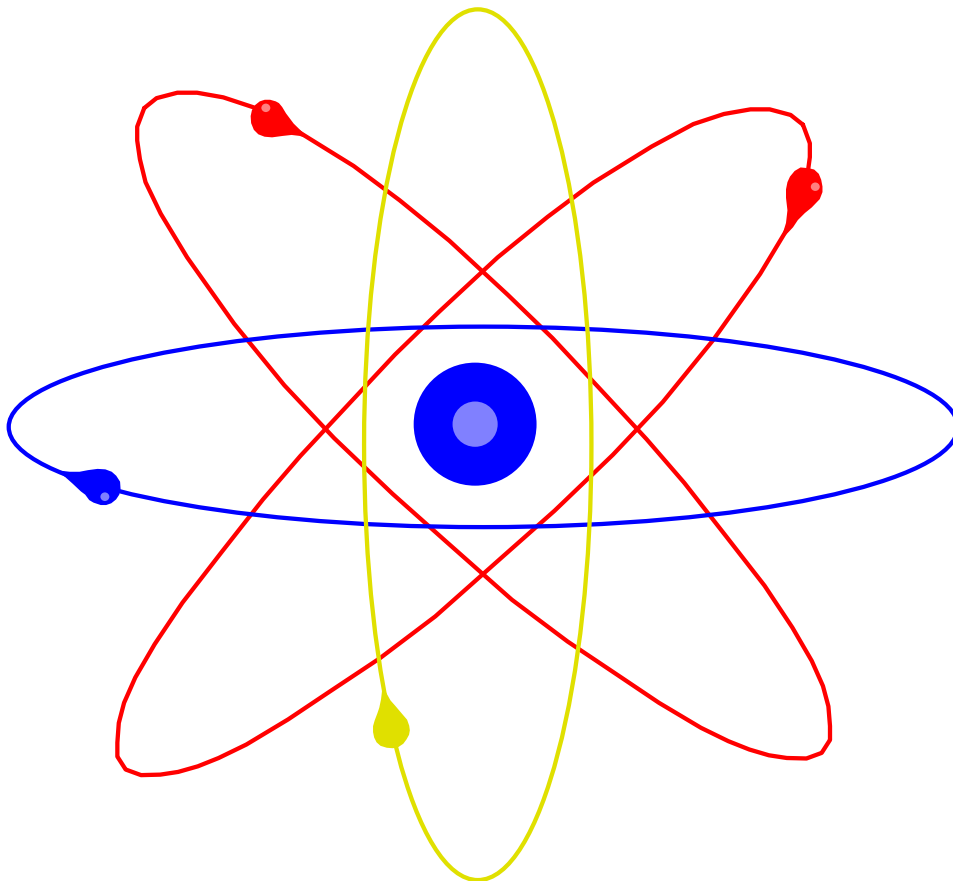


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**TECHNICAL BULLETIN**

**TRANSPORTATION INFORMATION  
FOR U.S. ARMY  
RADIOACTIVE COMMODITIES**



Approved for public release; distribution is unlimited

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**15 November 2002**



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Original.....0 .....15 Nov 02

Page No.	* Change No.	Page No.	* Change No.	Page No.	* Change No.
Cover.....	0				
3 - 78.....	0				
A-1 .....	0				
B-1 .....	0				
C-1 - C-5 .....	0				
D-1 - D-46.....	0				
E-1 - E-5.....	0				
F-1 - F-9.....	0				
G-1 - G-16.....	0				
H-1.....	0				
I-1 - I-3.....	0				
J-1 - J-2.....	0				
K-1 - K-2.....	0				
L-1.....	0				
M-1.....	0				

\* Zero in this column indicates an original page.



\*Technical Bulletin  
Number 43-0137

HEADQUARTERS,  
DEPARTMENT OF THE ARMY  
WASHINGTON, DC 15 November 2002

**TRANSPORTATION INFORMATION  
FOR U.S. ARMY  
RADIOACTIVE COMMODITIES**

**REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms) or DA Form 2028-2 located in back of this bulletin directly to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-LEO-D-CS-CFO, Fort Monmouth, New Jersey 07703-5006. The fax number is 732-532-1413, DSN 992-1413. You may also e-mail your recommendations to AMSEL-LC-LEO-PUBS-CHG@mail1.monmouth.army.mil

In any case, we will send you a reply.

**Table of Contents**

	Page
I. INTRODUCTION . . . . .	1
Purpose and Scope . . . . .	1
General . . . . .	1
Proponent Agency . . . . .	1
Logistics and Safety Support . . . . .	1
How to use this Technical Bulletin . . . . .	3
II. COMMERCIAL TRANSPORTATION INFORMATION FOR U.S. ARMY RADIOACTIVE COMMODITIES . . . . .	5
AN/PDR-27 RADIAC Set with the MX-7338 Radioactive Test Sample . . . . .	9
AN/PDR-56F RADIAC Set . . . . .	11
AN/PDR-60 RADIAC Set with the CS-1 Radioactive Test Sample . . . . .	13
AN/PDR-60 RADIAC Set with the CS-12 Radioactive Test Sample . . . . .	15
AN/PDR-77 RADIAC Set . . . . .	17
AN/UDM-1 RADIAC Calibrator Set . . . . .	19
AN/UDM-1A RADIAC Calibrator Set . . . . .	23
AN/UDM-2 RADIAC Calibrator Set . . . . .	27

**\*This manual supersedes TB 43-0137, dated 1 September 1998**

AN/UDM-6 RADIAC Calibrator Set.	31
AN/VDR-2 RADIAC Set with Check Source	33
Chemical Agent Monitor (CAM) & (ICAM)	35
CS-1 Radioactive Test Sample	37
CS-12 Radioactive Test Sample	39
Ignition Unit Commodities	41
Krypton Commodities (B64 ICP)	43
M21 Chemical Agent Alarm	45
M22 Chemical Agent Alarm (ACADA)	47
M43A1 Chemical Agent Detector	49
MC-1 Tester, Density and Moisture	51
MX-7338 Radioactive Test Sample	55
Radium Commodities (AKZ ICP & B16 ICP)	57
Thorium Commodities (B16 ICP & B17 ICP & B64 ICP)	59
Tritium Commodities (B14 ICP & B64 ICP)	61
Tritium Compasses (B16 ICP)	63
 III. MILITARY TRANSPORTATION INFORMATION FOR U.S. ARMY RADIOACTIVE COMMODITIES	 65
 IV. INFORMATION FOR RECEIVING AND OPENING PACKAGES CONTAINING U.S. ARMY RADIOACTIVE COMMODITIES	 69
 APPENDIX	
A. REFERENCES	A-1
B. AMCOM KRYPTON COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE	B-1
C. TACOM-W RADIUM COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE	C-1
D. CECOM RADIUM COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE	D-1
E. CECOM THORIUM COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE	E-1
F. AMCOM THORIUM COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE	F-1
G. TACOM-RI TRITIUM COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE	G-1

H.	AMCOM TRITIUM COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE . . . . .	H-1
I.	ABBREVIATIONS AND DEFINITIONS . . . . .	I-1
J.	TABLE OF COMMON RADIOACTIVE COMMODITY ISOTOPES, USES, CHARACTERISTIC RADIATION AND DETECTION METHODS . . . . .	J-1
K.	TABLE OF RADIOACTIVE MATERIAL SHIPPING LIMITS . . . . .	K-1
L.	SAMPLE RADIOACTIVE MATERIAL MOVEMENT FORM . . . . .	L-1
M.	ACTIVITY CONVERSION CHART. . . . .	M-1





TRANSPORTATION INFORMATION  
FOR U.S. ARMY  
RADIOACTIVE COMMODITIES

**SECTION I**

INTRODUCTION

1. Purpose and Scope. This technical bulletin (TB) provides a basic reference for personnel who prepare for shipment and/or transport U.S. Army managed radioactive commodities. It summarizes the basic regulatory packaging and shipping requirements for commonly shipped radioactive commodities to ensure that their transport complies with applicable Department of the Army (DA) and Federal regulations. The information contained herein complies with Title 49, Code of Federal Regulations (49 CFR), 10 CFR Part 71, International Air Transport Association (IATA) and Army Regulation (AR) 11-9 for the shipment of U.S. Army managed radioactive commodities. For modes of shipment other than ground and air, please contact your transportation officer for the latest guidance. This TB is not applicable for mixtures of radioisotopes, for radioactive waste shipments, and Depleted Uranium munitions/armor (consult 49 CFR, 10 CFR 71 and AR 11-9). In addition, if you are stationed OCONUS, you must comply with host nation regulations.
2. General. The information contained in this TB and special instructions contained in the equipment technical manual (TM) will be followed to ensure safe transport of the radioactive item and the safety of personnel involved in the handling process. All personnel engaged in the transportation of U.S. Army radioactive commodities should be aware of the information contained in this TB. All appendices list the commodity activity in Becquerels (Bq).
3. Proponent Agency. U.S. Army Communications-Electronics Command (CECOM) is the proponent agency for this TB. Users are encouraged to submit recommended changes, suggested improvements, additions, reports of omissions and errors. Comments should be forwarded directly to Commander, U.S. Army CECOM and Fort Monmouth, ATTN: AMSEL-SF-RE, Fort Monmouth, New Jersey 07703-5024. Submit comments on DA Form 2028 (Recommended Changes to Publications and Blank Form) keyed to the specific page, paragraph, and line of text in which the change is recommended. A brief reason for each proposed change or comment should be furnished to ensure understanding and complete evaluation.
4. Logistics and Safety Support.
  - a. You may contact the Inventory Control Point (ICP) and/or the Radiation Safety Officer (RSO) for information concerning the radioactive commodities listed in this TB. Each ICP and RSO address/telephone numbers listed below are preceded by a unique three-character Source of Supply (SOS) code. The SOS code identifies the Major Subordinate Command (MSC) that manages the licensed radioactive commodities.

- AKZ TACOM-W Commodity Business Operations - U.S. Army Tank-automotive & Armaments Command  
ATTN: AMSTA-LC-CI  
Warren, MI 48397-5000  
DSN: 786-6643, Commercial: (586) 574-6643
- AKZ TACOM-W RSO - U.S. Army Tank-automotive & Armaments Command  
ATTN: AMSTA-CS-CZ  
Warren, MI 48397-5000  
DSN: 786-7635, Commercial: (586) 574-7635
- A12 SBCCOM ICP - U.S. Army Soldier and Biological Chemical Command  
ATTN: AMSSB-RSO-MAD (RI)  
Rock Island Arsenal, IL 61299-7390  
DSN: 793-8029, Commercial: (309) 782-8029
- A12 SBCCOM RSO - U.S. Army Soldier and Biological Chemical Command  
ATTN: AMSSB-RCB-RS  
Aberdeen Proving Ground, MD 21010-5424  
DSN: 584-7118, Commercial: (410) 436-7118
- B14 TACOM-RI ICP - U.S. Army Tank-automotive & Armaments Command  
ATTN: AMSTA-LC-SF  
Rock Island, IL 61299-7630  
DSN: 793-0861, Commercial: (309) 782-0861
- B14 TACOM-RI RSO - U.S. Army Tank-automotive & Armaments Command  
ATTN: AMSTA-LC-SF  
Rock Island, IL 61299-7630  
DSN: 793-2965, Commercial: (309) 782-2965/6228
- B16 CECOM ICP - U.S. Army Communications-Electronics Command  
ATTN: AMSEL-LC-LEO-D  
Fort Monmouth, NJ 07703-5000  
DSN: 992-9362, Commercial: (732) 532-9362
- B16 CECOM RSO - U.S. Army Communications-Electronics Command  
ATTN: AMSEL-SF-RE  
Fort Monmouth, NJ 07703-5024  
DSN: 987-3112, Commercial: (732) 427-3112

- B17 AMCOM ICP - U.S. Army Aviation & Missile Command  
ATTN: AMSAM-MMC-AV  
Redstone Arsenal, AL 35898-5000  
DSN: 897-1641, Commercial: (256) 313-1641
- B17 AMCOM RSO - U.S. Army Aviation & Missile Command  
ATTN: AMSAM-SF-A  
Redstone Arsenal, AL 35898-5000  
DSN: 897-2114, Commercial: (256) 313-2114
- B64 AMCOM ICP - U.S. Army Aviation & Missile Command  
ATTN: AMSAM-MMC-MS  
Redstone Arsenal, AL 35898-5000  
DSN: 746-2392, Commercial: (256) 876-2392
- B64 AMCOM RSO - U.S. Army Aviation & Missile Command  
ATTN: AMSAM-SF-A  
Redstone Arsenal, AL 35898-5000  
DSN: 897-2114, Commercial: (256) 313-2114

b. It is the shipper's responsibility to ensure that he/she is using the latest shipping instructions. If you currently have Title 49 and wish to be placed on the mailing list for updated changes, write to: U.S. Department of Transportation, Materials Transport Bureau, Information Services Division DMT-11, Washington, DC 20590. You may also contact U.S. Department of Transportation on the World Wide Web at: [WWW.DOT.GOV](http://WWW.DOT.GOV).

5. How to use this Technical Bulletin.

- a. Section I provides an introduction to include ICP and RSO contacts.
- b. Section II provides detailed information concerning transportation of U.S. Army radioactive commodities in commercial conveyances.
- c. Section III provides detailed information concerning transportation of U.S. Army radioactive commodities in military conveyances.
- d. Section IV provides information for receiving and opening packages containing U.S. Army radioactive commodities.
- e. Appendices A – M are provided to assist the shipper in completing the task of shipping radioactive commodities. The appendices contain a list of references cited, lists of commodities in National Stock Number sequence to type number cross reference, definitions,

radioactive commodity isotope characteristics, RAM shipping limits table, a sample radioactive material movement form and an activity conversion chart.

## **SECTION II**

# **COMMERCIAL TRANSPORTATION INFORMATION FOR U.S. ARMY RADIOACTIVE COMMODITIES**



TRANSPORTATION INFORMATION  
FOR U.S. ARMY  
RADIOACTIVE COMMODITIES

**SECTION II**

COMMERCIAL TRANSPORTATION  
INFORMATION FOR  
U.S. ARMY  
RADIOACTIVE COMMODITIES

**Shipping Instructions**

This section provides guidance to personnel who offer radioactive material (RAM) contained in military commodities (hereby known as Radioactive Military Commodity (RMC)) to a commercial carrier for transportation. It is the responsibility of the shipper to identify, contain and communicate the hazard when shipping RAM. This section is designed to assist the shipper in preparing a radioactive package for transportation. Use the instructions in this section when you offer a radioactive package to a commercial carrier in commerce. The radioactive commodities in this section are identified by assignment of a national stock number and/or a type number.

**\*\*\*\*\*NOTE\*\*\*\*\***

**It is the shipper's responsibility to ensure that he/she is using the latest shipping instructions. If you are in doubt, contact the proper authorities prior to preparing a package for shipment to ensure compliance.**

**\*\*\*\*\*END NOTE\*\*\*\*\***





**AN/PDR-27(\*) RADIAC SET with the MX-7338 RADIOACTIVE TEST SAMPLE  
NSN 6665-00-832-6159**

**Isotope and Activity:** Kr-85, 1.85E+08 Bq (5.0 mCi).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - limited quantity of material/7/UN2910.

**Chemical and/or Physical Form:** Gas.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The word "RADIOACTIVE" (non-specification marking) is required on the outside of the inner packaging or if there is no inner packaging, on the outside of the packaging itself.
- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 22 dpm/cm<sup>2</sup> (beta).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.421 for radioactive material, excepted package - limited quantity of material, UN2910.”**

**Additional Comments:**

- An AN/PDR-27(\*) RADIAC Set shipped without the MX-7338 Radioactive Test Sample is a NON-RADIOACTIVE shipment.
- There is a maximum limit of 54 each AN/PDR-27(\*) RADIAC Sets with their MX-7338 Radioactive Test Samples that you may ship per package.
- You may use a larger box or additional shielding to reduce the radiation level on the external surface of the package to less than 0.005 mSv/hr (0.5 mrem/hr).
- You may mail (USPS) up to 5 AN/PDR-27(\*) RADIAC Sets with their MX-7338 Radioactive Test Samples per package. All other 49 CFR conditions applicable to excepted packages for limited quantities of Class 7 materials, as indicated above, also apply to USPS shipments.

(\*) Model numbers (A, G, J, L, P, Q, R, S)

**AN/PDR-56F RADIAC SET**  
**NSN 6665-00-211-8695 or NSN 6665-01-113-9530**

**Isotope and Activity:** Th-232, 8.70E+03 Bq (2.35E-01  $\mu$ Ci).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - limited quantity of material/7/UN2910.

**Chemical and/or Physical Form:** Metal foil.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The word "RADIOACTIVE" (non-specification marking) is required on the outside of the inner packaging or if there is no inner packaging, on the outside of the packaging itself.
- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 2.2 dpm/cm<sup>2</sup> (alpha).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.421 for radioactive material, excepted package - limited quantity of material, UN2910.”**

**Additional Comments:**

- The Check Source is permanently attached to the AN/PDR-56F RADIAC Set.
- There is no activity limit to the number of AN/PDR-56F RADIAC Sets that you may ship per package.
- You may use a larger box or additional shielding to reduce the radiation level to less than 0.005 mSv/hr (0.5 mrem/hr).
- You may mail (USPS) as many AN/PDR-56F RADIAC Sets as necessary. All other 49 CFR conditions applicable to excepted packages for limited quantities of Class 7 materials, as indicated above, also apply to this USPS shipment.

**AN/PDR-60 RADIAC SET with the CS-1 RADIOACTIVE TEST SAMPLE  
NSN 6665-00-903-7732**

**Isotope and Activity:** Pu-239, 3.70E+02 Bq (1.0E-02  $\mu$ Ci).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - limited quantity of material/7/UN2910.

**Chemical and/or Physical Form:** Plutonium oxide electroplated on metal.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The word "RADIOACTIVE" (non-specification marking) is required on the outside of the inner packaging or if there is no inner packaging, on the outside of the packaging itself.
- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 2.2 dpm/cm<sup>2</sup> (alpha).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.421 for radioactive material, excepted package - limited quantity of material, UN2910.”**

**Additional Comments:**

- An AN/PDR-60 RADIAC Set shipped without the CS-1 Radioactive Test Sample is a NON-RADIOACTIVE shipment.
- There is a maximum limit of 541 each AN/PDR-60 RADIAC Sets with their CS-1 Radioactive Test Samples that you may ship per package.
- You may mail (USPS) up to 54 each AN/PDR-60 RADIAC Sets. All other 49 CFR conditions applicable to excepted packages for limited quantities of Class 7 materials, as indicated above, also apply to this USPS shipment.

**AN/PDR-60 RADIAC SET with the CS-12 RADIOACTIVE TEST SAMPLE  
NSN 6665-00-802-9126**

**Isotope and Activity:** Th-230, 3.70E+02 Bq (1.0E-02  $\mu$ Ci).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - limited quantity of material/7/UN2910.

**Chemical and/or Physical Form:** Thorium oxide electroplated on metal.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The word "RADIOACTIVE" (non-specification marking) is required on the outside of the inner packaging or if there is no inner packaging, on the outside of the packaging itself.
- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 2.2 dpm/cm<sup>2</sup> (alpha).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.421 for radioactive material, excepted package - limited quantity of material, UN2910.”**

**Additional Comments:**

- An AN/PDR-60 RADIAC Set shipped without the CS-12 Radioactive Test Sample is a NON-RADIOACTIVE SHIPMENT.
- There is no activity limit to the number of AN/PDR-60 RADIAC Sets with their CS-12 Radioactive test Samples that you may ship per package.
- You may use a larger box or additional shielding to reduce the radiation level on the external surface of the package to less than 0.005 mSv/hr (0.5 mrem/hr).
- You may mail (USPS) as many AN/PDR-60 RADIAC Sets as necessary. All other 49 CFR conditions applicable to excepted packages for limited quantities of Class 7 materials, as indicated above, also apply to this USPS shipment.



**AN/PDR-77 RADIAC SET**  
**NSN 6665-01-347-6100**

**Isotope and Activity:** Th-232, 1.11E+03 Bq (30 nCi).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - limited quantity of material/7/UN2910.

**Chemical and/or Physical Form:** Metal foil.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The word "RADIOACTIVE" (non-specification marking) is required on the outside of the inner packaging or if there is no inner packaging, on the outside of the packaging itself.
- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Level Survey: Not required. The radiation source activity will not produce a radiation level at any point on the external surface of the package in excess of 0.005 mSv/hr (0.5 mrem/hr), as stated in memorandum from U.S. DOT to U.S. Army CECOM, dated 23 December 1996.

Nonfixed Contamination Survey: Not required if new packaging material is used or previously used packaging material known to be free of contamination is used, as stated in memorandum from U.S. DOT to U.S. Army CECOM, dated 23 December 1996.

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.421 for radioactive material, excepted package - limited quantity of material, UN2910.”**

**Additional Comments:**

-There is no activity limit to the number of AN/PDR-77 RADIAC Sets that you may ship per package.

-You may mail (USPS) as many AN/PDR-77 RADIAC Sets as necessary. All other 49 CFR conditions applicable to excepted packages for limited quantities of Class 7 materials, as indicated above, also apply to this USPS shipment.

**AN/UDM-I RADIAC CALIBRATOR SET  
NSN 6665-00-669-0077**

**Isotope and Maximum Activity:** Co-60, 3.70E-01 TBq (10 Ci).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive Material, Type A Package, Special Form/7/UN 3332.

**Chemical and/or Physical Form:** Cobalt-60 metal, solid.

**Construction Form:** Special form.

**Package Requirements:**

Packaging: USA DOT 7A TYPE A.

Package Label: Either two Radioactive Yellow II labels or two Radioactive Yellow III labels affixed to opposite sides of the package and two Cargo Aircraft Only labels. Do not affix labels to the top or bottom of the package. Complete the required information on the Radioactive Yellow II or Radioactive Yellow III labels used.

Package Markings: All markings shall be at least ½" in height.

- Mark the package "Radioactive Material, Type A Package, Special Form, UN3332."
- Mark each specification 7A packaging on the outside "USA DOT 7A Type A."
- The gross weight shall be marked on the package.
- Full name and address of the shipper and the consignee.
- If an overpack is used, mark the statement "INNER PACKAGE COMPLIES WITH PRESCRIBED SPECIFICATIONS." In addition, ensure that all required markings, labels and communications appearing on the interior package are reproduced on the outside of the overpack.
- Exports shall be marked with the letters "USA."

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- For use of Radioactive Yellow II Labels: The maximum radiation level at any point on the external surface should be greater than 0.005 mSv/hr (0.5 mrem/hr) but less than or

equal to 0.5 mSv/hr (50 mrem/hr). The Transport Index (T.I.) should be more than 0 but not more than 1.

- For use of Radioactive Yellow III Labels: The maximum radiation level at any point on the external surface should be greater than 0.5 mSv/hr (50 mrem/hr) but less than or equal to 2 mSv/hr (200 mrem/hr). The T.I. should be more than 1 but no more than 10.

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 22 dpm/cm<sup>2</sup> (beta).

**Additional Requirements:** Shipment **is not** permitted aboard passenger-carrying aircraft.

Vehicle Placard: If Radioactive Yellow III labeling is required, you must placard all 4 sides of the vehicle with RADIOACTIVE placards. If Radioactive Yellow II labeling is required, you are not required to placard the vehicle.

Shipping Paper Documentation: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list or otherwise forwarded with the package. This notice will include the name of the consignee and the statement:

**“This is to certify that the herein-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.”**

For Cargo Aircraft shipments only, add the following statement:

**“This shipment is within the limitations prescribed for cargo aircraft only.”**

The shipping papers or if IATA applies, the “Shipper’s Declaration for Dangerous Goods” shall list the following:

- The Proper Shipping Name.
- Hazard Class Number.
- UN Number.
- Subsidiary Risk(s) corresponding to the subsidiary risk labels applied.
- Quantity and type of packing: (i.e., name or symbol of each radionuclide; number of packages (of same type and content); type of package (i.e., Type A

DOT-7A); and activity in Becquerels or multiples thereof (units used must be clearly indicated) in each package, including packages in overpacks.

- When an overpack is used, the wording “overpack used” must be inserted on the shipping paper or declaration form immediately after all the relevant entries relating to the packages in the overpack.
- Category of the Package (i.e., Yellow-II or Yellow-III); the Transport Index and the dimensions of each package, overpack or freight container.
- Emergency response telephone number
- Special form approval certificate attached.
- Continuation sheets shall be marked Page 1 of 3 pages, Page 2 of 3 pages, etc., as applicable.

**Additional Comments:**

- You must notify (within 24 hours) the CECOM Directorate for Safety (NRC license requirement) and the receiving installation upon shipment and receipt of the AN/UDM-1 RADIAC Calibrator Set.
- Ensure you use the corrected (decayed) activity for transportation.
- CECOM Directorate for Safety: Voice: Comm: (732) 427-3112, DSN: 987-3112; Fax: Comm: (732) 542-7161 or (732) 532-6403, DSN: 992-6403.



**AN/UDM-1A RADIAC CALIBRATOR SET  
NSN 6665-00-556-8825**

**\*\*\*\*IMPORTANT NOTE\*\*\*\***

The shipment of the AN/UDM-1A RADIAC Calibrator Set may require the use of a Type B shipping container. Before you initiate a shipment request, you must contact the CECOM Directorate for Safety for shipper requirements concerning the Quality Assurance (QA) program for use of this Type B shipping container.

**\*\*\*\*END NOTE\*\*\*\***

**Isotope and Maximum Activity:** Cs-137, 4.44 TBq (120 Ci).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, Type B(M) Package, 7, UN2917.

**Chemical and/or Physical Form:** Cesium-137 metal, solid.

**Construction Form:** Special form.

**Package Requirements:**

Packaging: Type B. You must coordinate the packaging of the AN/UDM-1A for shipment with the CECOM Directorate for Safety to ensure compliance with NRC license/QA program requirements for Type B shipping containers.

Package Labels: Two each Radioactive Yellow III and two Cargo Aircraft Only labels. Do not affix labels to the top or bottom of the package. Complete the required information on the Radioactive Yellow III labels.

Package Marking: All markings shall be at least ½” in height.

- Mark the package “RQ, Radioactive Material, Type B(M) Package, UN2917.”
- Mark the package “USA/5800/B(M)-85.”
- The serial number to uniquely identify each packaging which conforms to the design.
- The gross weight shall be marked on the package.
- Full name and address of the shipper and the consignee.
- If an overpack is used, mark the statement “INNER PACKAGE COMPLIES WITH PRESCRIBED SPECIFICATIONS.” In addition, ensure that all required markings, labels and communications appearing on the interior package are reproduced on the outside of the overpack.

- A trefoil symbol must be plainly marked by embossing, stamping or other means, resistant to the effects of fire and water, on the outermost receptacle which is resistant to the effects of fire and water.
- Exports shall be marked "USA."

### **Survey Requirements:**

Radiation Survey: Required prior to shipment and upon receipt.

- For use of Yellow III Labels: The surface radiation level should be greater than 0.5 mSv (50 mrem/hr), but shall not exceed 2 mSv/hr (200 mrem/hr) and the Transport Index (T.I.) should be greater than 1.0 and shall be less than 10.

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 22 dpm/cm<sup>2</sup> (beta).

**Additional Requirements:** Shipment **is not** permitted aboard passenger-carrying aircraft.

Vehicle Placard: RADIOACTIVE placard required on all 4 sides of the vehicle.

Shipping Paper Documentation: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice will include the name of the consignee and the statement:

**"This is to certify that the herein-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation."**

For Cargo Aircraft shipments add the following statement:

**"This shipment is within the limitations prescribed for cargo aircraft only."**

The shipping papers or if IATA applies, the "Shipper's Declaration for Dangerous Goods" shall list the following:

- The letters "RQ" placed before the Proper Shipping Name.
- The Proper Shipping Name.



- Hazard Class Number.
- UN Number.
- Subsidiary Risk(s) corresponding to the subsidiary risk labels applied.
- Quantity and type of packing: (i.e., name or symbol of each radionuclide; number of packages (of same type and content); type of package (i.e., Type B(M)); and activity in Becquerels or multiples thereof (units used must be clearly indicated) in each package, including packages in overpacks.
- When an overpack is used, the wording “overpack used” must be inserted on the shipping paper or declaration form immediately after all the relevant entries relating to the packages in the overpack.
- Category of the Package (i.e., Yellow-II or Yellow-III); the Transport Index and the dimensions of each package, overpack or freight container.
- Emergency response telephone number
- Special form approval certificate attached.
- Continuation sheets shall be marked Page 1 of 3 pages, Page 2 of 3 pages, etc., as applicable.

**Additional Comments:**

- You shall notify (within 24 hours) the CECOM Directorate for Safety (NRC license requirement) and the receiving installation upon shipment and receipt of the AN/UDM-1A RADIAC Calibrator Set.
- CECOM Directorate for Safety: Voice: Comm: (732) 427-3112, DSN: 987-3112; Fax: Comm: (732) 542-7161 or (732) 532-6403, DSN: 992-6403.
- Ensure you use the corrected (decayed) activity for transportation.



**AN/UDM-2 RADIAC CALIBRATOR SET  
NSN 6665-00-179-9037**

**Isotope and Activity:** Sr-90, 6.66E+09 Bq, (180 mCi).

**Proper Shipping Name/Hazard Class/UN Number:** Radioactive Material, Type A Package, Special Form/7/UN 3332.

**Chemical and/or Physical Form:** Sr-90 ceramic microspheres, solid.

**Construction Form:** Special form.

**Package Requirements:**

Packaging: USA DOT 7A TYPE A.

Package Label: Either two Radioactive White I labels or two Radioactive Yellow II labels affixed to opposite sides of the package and two Cargo Aircraft Only labels. Do not affix labels to the top or bottom of the package. Complete the required information on the Radioactive White I or Radioactive Yellow II labels used.

Package Marking: All markings shall be at least ½" in height.

- Mark the package "RQ, Radioactive Material, Type A Package, Special Form, UN3332"
- Mark each specification 7A packaging on the outside "USA DOT 7A Type A."
- The gross weight shall be marked on the package.
- Full name and address of the shipper and the consignee.
- If an overpack is used, mark the statement "INNER PACKAGE COMPLIES WITH PRESCRIBED SPECIFICATIONS." In addition, ensure that all required markings, labels and communications appearing on the interior package are reproduced on the outside of the overpack.
- Exports shall be marked with the letters "USA."

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- For use of Radioactive White I Labels: The maximum radiation level at any point on the external surface should be less than or equal to 0.005 mSv/hr (0.5 mrem/hr). The

Transport Index (T.I.) should not be more than 0 (if the measured TI is not greater than 0.05, the value may be considered to be zero).

- For use of Radioactive Yellow II Labels: The maximum radiation level at any point on the external surface should be greater than 0.005 mSv/hr (0.5 mrem/hr) but less than or equal to 0.5 mSv/hr (50 mrem/hr). The Transport Index (T.I.) should be more than 0 but not more than 1.

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed surface contamination on the external surface of the package shall not exceed 22 dpm/cm<sup>2</sup> (beta).

**Additional Requirements:** Shipment **is not** permitted aboard passenger-carrying aircraft.

Vehicle Placard: Not required.

Shipping Paper Documentation: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice will include the name of the consignee and the statement:

**“This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.”**

For Cargo Aircraft shipments only, add the following statement:

**“This shipment is within the limitations prescribed for cargo aircraft only.”**

The shipping papers or if IATA applies, the “Shipper’s Declaration for Dangerous Goods” shall list the following:

- The letters “RQ” placed before the Proper Shipping Name.
- The Proper Shipping Name.
- Hazard Class Number.
- UN Number
- Subsidiary Risk(s) corresponding to the subsidiary risk labels applied.
- Quantity and type of packing: (i.e., name or symbol of each radionuclide;

number of packages (of same type and content); type of package (i.e., USA DOT 7A TYPE A) ; and activity in Becquerels or multiples thereof (units used must be clearly indicated) in each package, including packages in overpacks.

- When an overpack is used, the wording “overpack used” must be inserted on the shipping paper or declaration form immediately after all the relevant entries relating to the packages in the overpack.
- Category of the Package (i.e., Yellow-II); the Transport Index and the dimensions of each package, overpack or freight container.
- Emergency response telephone number.
- Special form approval certificate attached.
- Continuation sheets shall be marked Page 1 of 3 pages, Page 2 of 3 pages, etc., as applicable.

**Additional Comments:**

- Retain original DOT 7A TYPE A metal casing, packaging and foam pack received for use when re-shipping the AN/UDM-2 RADIAC Calibrator Set.
- DOT 7A Type A packages shall be sealed with fiber tape.
- There is a maximum limit of 30 each AN/UDM-2 RADIAC Calibrator Sets that you may ship per package.
- You must notify (within 24 hours) CECOM Directorate for Safety and the receiving installation upon shipment and receipt of the AN/UDM-2 RADIAC Calibrator Set.
- CECOM Directorate for Safety: Voice: Comm: (732) 427-3112, DSN: 987-3112; Fax: Comm: (732) 542-7161 or (732) 532-6403, DSN: 992-6403.



**AN/UDM-6 RADIAC CALIBRATOR SET**  
**NSN 6665-00-767-7497**

**Isotope and Activity:** Pu-239, 5.18E+04 Bq (1.40  $\mu$ Ci).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - limited quantity of material/7/UN2910.

**Chemical and/or Physical Form:** Pu-239 nitrate, solid.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The word "RADIOACTIVE" (non-specification marking) is required on the outside of the inner packaging or if there is no inner packaging, on the outside of the packaging itself.
- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 2.2 dpm/cm<sup>2</sup> (alpha).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.421 for radioactive material, excepted package - limited quantity of material, UN2910.”**

**Additional Comments:**

- There is a maximum of 3 each AN/UDM-6 RADIAC Calibrator Sets that you may ship per package.
- You must notify (within 24 hours) CECOM Directorate for Safety and the receiving installation upon shipment and receipt of the AN/UDM-6 RADIAC Calibrator Set.
- CECOM Directorate for Safety: Voice: Comm: (732) 427-3112, DSN: 987-3112; Fax: Comm: (732) 542-7161 or (732) 532-6403, DSN: 992-6403.



**AN/VDR-2 RADIAC SET with the CHECK SOURCE  
NSN 6665-01-222-1425**

**Isotope and Activity:** Th-232, 2.22E+03 Bq (60 nCi).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - limited quantity of material/7/UN2910.

**Chemical and/or Physical Form:** Metal foil, solid.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The word "RADIOACTIVE" (non-specification marking) is required on the outside of the inner packaging or if there is no inner packaging, on the outside of the packaging itself.
- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 2.2 dpm/cm<sup>2</sup> (alpha).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.421 for radioactive material, excepted package - limited quantity of material, UN2910.”**

**Additional Comments:**

-There is no limit to the number of AN/VDR-2 RADIAC Sets that you may ship per package.

-You may mail (USPS) as many AN/VDR-2 RADIAC Sets as necessary. All other 49 CFR conditions applicable to excepted packages for limited quantities of Class 7 materials, as indicated above, also apply to this USPS shipment.

**CHEMICAL AGENT MONITOR**  
**NSN 6665-01-199-4153**  
**IMPROVED CHEMICAL AGENT MONITOR**  
**NSN 6665-01-357-8502**

**Isotope and Activity:** Ni-63, 5.55E+08 Bq (15 mCi maximum activity) (The activity may be 3.7E+08 Bq (10 mCi), if marked as such.).

**Proper Shipping Name/Hazard Class/UN Number:**  
Radioactive material, excepted package - instruments/7/UN2911.

**Chemical and/or Physical Form:** Plated Ni-63, solid.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at 10 cm (4 inches) from any point on the external surface of any unpackaged instrument or article shall not exceed 0.1 mSv/hr (10 mrem/hr).
- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 22 dpm/cm<sup>2</sup> (beta).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.424 for radioactive material, excepted package - instrument, UN2911.”**

**Additional Comments:**

- There is a maximum of 30 TBq (810.8 Ci) total activity for Ni-63 that you may ship per package.

- You may mail (USPS) up to 3.0 TBq (81.08 Ci) total activity of Ni-63 per package. All other 49 CFR conditions applicable to excepted packages for limited quantities of Class 7 materials, as indicated above, also apply to this USPS shipment.

**CS-1 RADIOACTIVE TEST SAMPLE**  
**NSN 6665-00-903-7732**

**Isotope and Activity:** Pu-239, 3.70E+02 Bq (1.0E-02  $\mu$ Ci).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - limited quantity of material/7/UN2910.

**Chemical and/or Physical Form:** Pu-239 oxide electroplated on metal.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The word "RADIOACTIVE" (non-specification marking) is required on the outside of the inner packaging or if there is no inner packaging, on the outside of the packaging itself.
- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 2.2 dpm/cm<sup>2</sup> (alpha).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.421 for radioactive material, excepted package - limited quantity of material, UN2910.”**

**Additional Comments:**

- There is a maximum of 541 each CS-1 Radioactive Test Samples that you may ship per package.
- You may mail (USPS) up to 54 each CS-1 Radioactive Test Samples per package. All other 49 CFR conditions applicable to excepted packages for limited quantities of Class 7 materials, as indicated above, also apply to this USPS shipment.

**CS-12 RADIOACTIVE TEST SAMPLE**  
**NSN 6665-00-802-9126**

**Isotope and Activity:** Th-230, 3.70E+02 Bq (1.0E-02  $\mu$ Ci).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - limited quantity of material/7/UN2910.

**Chemical and/or Physical Form:** Th-230 oxide electroplated on metal, solid.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The word "RADIOACTIVE" (non-specification marking) is required on the outside of the inner packaging or if there is no inner packaging, on the outside of the packaging itself.
- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 2.2 dpm/cm<sup>2</sup> (alpha).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.421 for excepted radioactive material, excepted package - limited quantity of material, UN2910.”**

**Additional Comments:**

- There is no activity limit to the number of CS-12 Radioactive Test Samples that you may ship per package.
- You may use a larger box or additional shielding to reduce the radiation level on the external surface of the package to less than 0.005 mSv/hr (0.5 mrem/hr).
- You may mail (USPS) as many CS-12 Radioactive Test Samples as necessary. All other 49 CFR conditions applicable to excepted packages for limited quantities of Class 7 materials, as indicated above, also apply to this USPS shipment.



**IGNITION UNIT COMMODITIES (AKZ ICP)**  
**NSN 2990-00-908-6317**  
**NSN 2990-00-973-1417**

**Isotope and Activity:** Ni-63, NSN 2990-00-908-6317, 1.85E+05 Bq (5 µCi).  
Cs-137, NSN 2990-00-973-1417, 1.85E+05 Bq (5 µCi).

**Proper Shipping Name/Hazard Class/UN Number:**  
Radioactive material, excepted package - instruments/7/UN2911.

**Chemical and/or Physical Form:** Nickel 63 or Cesium 137, solid.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at 10 cm (4 inches) from any point on the external surface of any unpackaged instrument or article shall not exceed 0.1 mSv/hr (10 mrem/hr).
- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 22 dpm/cm<sup>2</sup> (beta).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.424 for radioactive material, excepted package - instruments, UN2911.”**

**Additional Comments:**

- There is a maximum of 30 TBq (810.0 Ci) total activity of Ni-63 or 5.0E+11 Bq (13.5 Ci) total activity of Cs-137 that you may ship per package.
- You may mail (USPS) up to 3.0TBq (81.0 Ci) total activity of Ni-63 per package or 5.0E+10 Bq (1.35 Ci) total activity of Cs-137. All other 49 CFR conditions applicable to excepted packages for radioactive instruments, as indicated above, also apply to this USPS shipment.

**KRYPTON COMMODITIES (B64 ICP)**

**Isotope and Activity:** Kr-85, Various Activities (See Appendix B).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - instruments/7/UN2911.

**Chemical and/or Physical Form:** Krypton gas.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at 10 cm (4 inches) from any point on the external surface of any unpackaged instrument or article shall not exceed 0.1 mSv/hr (10 mrem/hr).
- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 22 dpm/cm<sup>2</sup> (beta).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.424 for radioactive material, excepted package - instruments, UN2911.”**

**Additional Comments:**

- There is a maximum of 10 TBq (270.0 Ci) total activity for Kr-85 that you may ship per package.
- You may mail (USPS) up to 1.0 TBq (27.0 Ci) total activity of Kr-85 per package. All other 49 CFR conditions applicable to excepted packages for radioactive instruments, as indicated above, also apply to this USPS shipment.

**M21 CHEMICAL AGENT AUTOMATIC ALARM (A12 ICP)  
NSN 6665-01-324-6637**

**Isotope and Activity:** Th-232, 2.78E+02 Bq (7.5E-03  $\mu$ Ci).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - instruments/7/UN2911.

**Chemical and/or Physical Form:** ThF<sub>4</sub> coating, solid.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at 10 cm (4 inches) from any point on the external surface of any unpackaged instrument or article shall not exceed 0.1 mSv/hr (10 mrem/hr).
- The radiation level at any point of the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed surface contamination on the external surface of the package shall not exceed 2.2 dpm/cm<sup>2</sup> (alpha).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.424 for radioactive material, excepted package - instruments, UN2911.”**

**Additional Comments:**

- There is no activity limit to the number of M21s that you may ship per package.
- You may use a larger box or additional shielding to reduce the radiation level to less than 0.005 mSv/hr (0.5 mrem/hr).
- You may mail (USPS) as many M21s per package as necessary. All other 49 CFR conditions applicable to excepted packages for radioactive instruments, as indicated above, also apply to this USPS shipment.

**M22 AUTOMATIC CHEMICAL AGENT ALARM (ACADA)**  
**NSN 6665-01-438-6963**

**Isotope and Activity:** Ni-63, 1.11E+09 Bq (30 mCi maximum activity) (The activity may be 7.4E+08 Bq (20 mCi), if marked as such).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - instruments/7/UN2911.

**Chemical and/or Physical Form:** Ni-63 foil, solid.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at 10 cm (4 inches) from any point on the external surface of any unpackaged instrument or article shall not exceed 0.1 mSv/hr (10 mrem/hr).
- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 22 dpm/cm<sup>2</sup> (beta).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.424 for radioactive material, excepted package - instruments, UN2911.”**

**Additional Comments:**

- There is a maximum of 30 TBq (810.8 Ci) total activity for Ni-63 that you may ship per package.
- You may mail (USPS) up to 3.0 TBq (81.08 Ci) total activity of Ni-63 per package. All other 49 CFR conditions applicable to excepted packages for radioactive instruments, as indicated above, also apply to this USPS shipment.



**M43A1 AUTOMATIC CHEMICAL AGENT DETECTOR**  
**NSN 6665-01-081-8140**

**Isotope and Activity:** Am-241, 9.25 E+06 Bq (250  $\mu$ Ci).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - instruments/7/UN2911.

**Chemical and/or Physical Form:** Americium oxide, solid.

**Construction Form:** Special form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at 10 cm (4 inches) from any point on the external surface of any unpackaged instrument or article shall not exceed 0.1 mSv/hr (10 mrem/hr).
- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 2.2 dpm/cm<sup>2</sup> (alpha).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirements: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.424 for radioactive material, excepted package - instruments, UN2911.”**

**Additional Comments:**

- There is a maximum of 2.0 TBq (54.05 Ci) total activity for Am-241 that you may ship per package.
- You may mail (USPS) up to 2.0 E+11 Bq (5.40 Ci) total activity of Am-241 per package. All other 49 CFR conditions applicable to excepted packages for radioactive instruments, as indicated above, also apply to this USPS shipment.

**MC-1, TESTER, DENSITY AND MOISTURE NUCLEAR METHOD  
NSN 6635-01-030-6896**

**Isotope and Activity:** Cs-137, 3.70 E08 Bq, (10 mCi), Am-241, 1.85 E09 Bq, (50 mCi).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive Material, Type A Package, Special Form/7/UN 3332.

**Chemical and/or Physical Form:** Am-241 in Ceramic with Beryllium Oxide, Cs-137 in Ceramic, Solid (Doubly Encapsulated Stainless Steel).

**Construction Form:** Special form.

**Fissile Class:** Fissile Exempt

**Package Requirements:**

Packaging: USA DOT 7A TYPE A (i.e., original container/case).

Package Label: Two Radioactive Yellow II labels and two Cargo Aircraft Only labels. Do not affix labels to the top or bottom of the package. Complete the required information on the Radioactive Yellow II labels.

Package Marking: All markings shall be at least ½" in height.

- Mark the package "RQ, Radioactive Material, Type A Package, Special Form, UN3332."
- Mark each specification 7A packaging on the outside "USA DOT 7A Type A."
- The gross weight shall be marked on the package.
- Full name and address of the shipper and the consignee.
- If an overpack is used, mark the statement "INNER PACKAGE COMPLIES WITH PRESCRIBED SPECIFICATIONS." In addition, ensure that all required markings, labels and communications appearing on the interior package are reproduced on the outside of the overpack.
- Exports shall be marked with the letters "USA."

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- For use of Radioactive Yellow II Labels: The maximum radiation level at any point on the external surface should be greater than 0.005 mSv/hr (0.5 mrem/hr) but less than or equal to 0.5 mSv/hr (50 mrem/hr). The Transport Index (T.I.) should be more than 0 but not more than 1.

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed surface contamination on the external surface of the package shall not exceed 2.2 dpm/cm<sup>2</sup> (alpha) or 22 dpm/cm<sup>2</sup> (beta).

### **Additional Requirements:**

Shipment **is not** permitted aboard passenger-carrying aircraft.

Vehicle Placard: Not required.

Shipping Paper Documentation: You will certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice will include the name of the consignee and the statement:

**“This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.”**

For Cargo Aircraft shipments only, add the following statement:

**“This shipment is within the limitations prescribed for cargo aircraft only.”**

The shipping papers or if IATA applies, the “Shipper’s Declaration for Dangerous Goods” shall list the following:

- The letters “RQ” placed before the Proper Shipping Name.
- The Proper Shipping Name.
- Hazard Class Number.
- UN Number
- Subsidiary Risk(s) corresponding to the subsidiary risk labels applied.
- Quantity and type of packing: (i.e., name or symbol of each radionuclide; number of packages (of same type and content); type of package (i.e., USA DOT

7A TYPE A); and activity in Becquerels or multiples thereof (units used must be clearly indicated) in each package, including packages in overpacks.

- When an overpack is used, the wording “overpack used” must be inserted on the shipping paper or declaration form immediately after all the relevant entries relating to the packages in the overpack.
- Category of the Package (i.e., Yellow-II); the Transport Index and the dimensions of each package, overpack or freight container.
- Emergency response telephone number.
- Special form approval certificate attached.
- Continuation sheets shall be marked Page 1 of 3 pages, Page 2 of 3 pages, etc., as applicable.

**Additional Comments:**

- The MC-1 Testers will be secured to prevent shifting or movement during transport. Establish suitable exclusion areas around the shipment to prevent unauthorized entry and provide security measures adequate to prevent unauthorized removal.
- Handle of Tester must be locked in safe position and the batteries removed before tester is shipped.
- The keys for the padlock to the DOT 7A TYPE A container is to be tagged with the tester's serial number and sent by registered mail to the gaining unit/repair facility. The key to the probe handle shall be stored inside the DOT 7A TYPE A container.
- Retain original DOT 7A TYPE A metal casing, packaging and foam pack received for use when re-shipping the MC-1.
- DOT 7A TYPE A packages shall be sealed with fiber tape and the DOT 7A TYPE A container locked.
- If a fiberboard overpack is used, the words: “USA DOT 7A TYPE A Container Within” shall be placed on the overpack with all other required markings.
- There is a maximum limit of one MC-1 tester that you may ship per package.
- The following accessories will be included with the MC-1 Tester when shipped:

--Cast Aluminum Guideplate, FSCM: 55492, Part No. 200050

--Computer Tabulations

--AC Charger, FSCM: 55492, Part No. 400597 and  
NSN 6635-01-043-7970

--DC Charger (Battery Clips), FSCM: 55492, Part No. 702813 and  
NSN 6635-01-043-7973

--Sign Set, FSCM: 55492, Part No. 101085 and NSN 9905-01-115-8157

--Phillips Screwdriver, FSCM: 55492, Part No. 700646 and NSN 5120-00-  
724-3766 and 5120-00-524-3438

--Fiberglass Case, (Shipping Case) FSCM: 55492, Part No. 401396  
(8" w/pads)

--Padlock w/2 Keys, FSCM: 55492, Part No. 700472 and  
NSN 5340-00-582-2741

--Standard Drill Pin, FSCM: 55492, Part No. 100035

--Clipboard Assembly, FSCM: 55492, Part No. 101013 and  
NSN 7520-01-115-8066

--Standard Block Assembly, FSCM: 55492, Part No. 701423

--Wrench, Allen Hex, 5/32, FSCM: 55492, Part No. 700760 and  
NSN 5120-00-198-5392

--Battery, NICAD 8 ea, FSCM: 55492, Part No. 700013 and  
NSN 6140-00-497-0490

--Handle Assembly Key, FSCM: 55492, Part No. 400925

- You shall notify (within 24 hours) MC-1 Item Manager and the receiving installation upon shipment and receipt of the MC-1 tester. TACOM-Warren MC-1 Item Manager: Voice: Comm: (586) 753-2485, DSN: 786-2485.

- Certification and supporting safety analysis for the special form source and specification 7A packaging Type A container are maintained at the TACOM-Warren Safety Office and can be obtained at their web site [www.tacom.army.mil/safety](http://www.tacom.army.mil/safety) or by contacting Commander, U.S. Army Tank-automotive and Armaments Command (TACOM-W), ATTN: AMSTA-CS-CZ, Warren, MI 48397-5000 at Commercial Telephone Voice (586) 574-7635 or DSN 786-7635.

**MX-7338/PDR-27(\*) RADIOACTIVE TEST SAMPLE**  
**NSN 6665-00-832-6159**

**Isotope and Activity:** Kr-85, 1.85E+08 Bq (5.0 mCi).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - limited quantity of material/7/UN2910.

**Chemical and/or Physical Form:** Krypton gas.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The word "RADIOACTIVE" (non-specification marking) is required on the outside of the inner packaging or if there is no inner packaging, on the outside of the packaging itself.
- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at any point on the external surface of the packaging shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 22 dpm/cm<sup>2</sup> (beta).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.421 for radioactive material, excepted package - limited quantity of material, UN2910.”**

**Additional Comments:**

- There is a maximum limit of 54 each MX-7338 Radioactive Test Samples that you may ship per package.
- You may use a larger box or additional shielding to reduce the radiation level on the external surface of the package to less than 0.005 mSv/hr (0.5 mrem/hr).
- You may mail (USPS) up to 5 each MX-7338 Radioactive Test Samples per package. All other 49 CFR conditions applicable to excepted packages for limited quantities of Class 7 materials, as indicated above, also apply to this USPS shipment.

(\*) Model numbers (A, G, J, L, P, O, R, S)



**RADIUM COMMODITIES\***  
**(AKZ ICP & B16 ICP)**

**Isotope and Activity:** Ra-226, Various Activities (See Appendix C and Appendix D).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - instruments/7/UN2911.

**Chemical and/or Physical Form:** Radioluminous paint, solid.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at 10 cm (4 inches) from any point on the external surface of any unpackaged instrument or article shall not exceed 0.1 mSv/hr (10 mrem/hr).
- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 2.2 dpm/cm<sup>2</sup> (alpha).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.424 for radioactive material, excepted package - instruments, UN2911.”**

**Additional Comments:**

- There is a maximum of 3.0E+09 Bq (81 mCi) total activity for Ra-226 that you may ship per package (3.0E+07 Bq (0.81mCi per each instrument).
- You may use a larger box or additional shielding to reduce the radiation level on the surface of the package to less than 0.005 mSv/hr (0.5 mrem/hr).
- For the RAM activity in each end article containing radium, refer to Appendix C, Appendix D or consult TB 43-0116, Identification of Radioactive Items in the Army.
- You may mail (USPS) up to 3.0E+06 Bq (81 µCi) total activity of Ra-226 per package. All other 49 CFR conditions applicable to excepted packages for radioactive instruments, as indicated above, also apply to this USPS shipment.

\*Radium devices with NSN: 5840-00-559-6288 are excluded from this procedure and shall be shipped IAW Title 49 CFR Part 172, Subparts A through F and Part 173, Subpart I. For assistance call the CECOM Directorate for Safety: Voice: Comm: (732) 427-3112, DSN: 987-3112; Fax: Comm: (732) 542-7161 or (732) 532-6403, DSN: 992-6403.

**THORIUM COMMODITIES  
(B16 ICP & B17 ICP & B64 ICP)**

**Isotope and Activity:** Th-232, Various Activities (See Appendix E and Appendix F).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - instruments/7/UN2911.

**Chemical and/or Physical Form:** Th-232 oxide or ThF<sub>4</sub> coating, solid.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at 10 cm (4 inches) from any point on the external surface of any unpackaged instrument or article shall not exceed 0.1 mSv/hr (10 mrem/hr).
- The radiation level at any point of the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed surface contamination on the external surface of the package shall not exceed 2.2 dpm/cm<sup>2</sup> (alpha).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.424 for radioactive material, excepted package - instruments, UN2911.”**

**Additional Comments:**

- There is no activity limit to the number of thorium commodities that you may ship per package.
- You may use a larger box or additional shielding to reduce the radiation level to less than 0.005 mSv/hr (0.5 mrem/hr).
- For the RAM activity in each end article containing thorium, refer to Appendix E, Appendix F or consult TB 43-0116, Identification of Radioactive Items in the Army.
- You may mail (USPS) as many thorium commodities per package as necessary. All other 49 CFR conditions applicable to excepted packages for radioactive instruments, as indicated above, apply.

**TRITIUM COMMODITIES  
(B14 ICP & B64 ICP)**

**\*\*\*\*IMPORTANT NOTE\*\*\*\***

The shipment of tritium commodities listed below with damaged sources or sources suspected to be damaged will not be offered for transport. Such commodities will be wipe tested before offering them for transport and if confirmed to have broken or damaged sources the commodities will be placed in a designated radioactive waste holding area.

**\*\*\*\*END NOTE\*\*\*\***

**Isotope and Activity:** H-3, Various Activities (See Appendix G and Appendix H).

**Proper Shipping Name/Hazard Class/UN Number:**

Radioactive material, excepted package - instruments/7/UN2911.

**Chemical and/or Physical Form:** Tritium gas.

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at 10 cm (4 inches) from any point on the external surface of any unpackaged instrument or article shall not exceed 0.1 mSv/hr (10 mrem/hr).

- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 22 dpm/cm<sup>2</sup> (beta).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirement: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.424 for radioactive material, excepted package - instruments, UN2911.”**

**Additional Comments:**

- There is a maximum of 8.0 TBq (216 Ci) total activity for H-3 that you may ship per package.
- For the RAM activity in each end article containing tritium, refer to Appendix G, Appendix H or consult TB 43-0116, Identification of Radioactive Items in the Army.
- You may mail (USPS) up to 8.0E+11 Bq (21.6 Ci) total activity of H-3 per package. All other 49 CFR conditions applicable to excepted packages for radioactive instruments, as indicated above, also apply to this USPS shipment.

**TRITIUM COMPASSES (B16 ICP)**  
**NSN 6605-00-151-5337**  
**NSN 6605-01-196-6971**  
**NSN 6605-00-846-7618**

**Isotope and Activity:** H-3, NSN 6605-00-151-5337, 7.03E+09 Bq (190 mCi).  
H-3, NSN 6605-01-196-6971, 4.44E+09 Bq (120 mCi).  
H-3, NSN 6605-00-846-7618, 4.44E+09 Bq (120 mCi) or  
2.78E+09 Bq (75 mCi) or 1.85E+09 Bq (50 mCi).

**Proper Shipping Name/Hazard Class/UN Number:**  
Radioactive material, excepted package - instruments/7/UN2911.

**Chemical and/or Physical Form:** Tritium paint, solid (6605-00-846-7618);  
Tritium gas (6605-00-151-5337 and 6605-01-096-6971).

**Construction Form:** Normal form.

**Package Requirements:**

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

**Survey Requirements:**

Radiation Survey: Required prior to shipment.

- The radiation level at 10 cm (4 inches) from any point on the external surface of any unpackaged instrument or article shall not exceed 0.1 mSv/hr (10 mrem/hr).

- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 22 dpm/cm<sup>2</sup> (beta).

**Additional Requirements:** Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirements: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.424 for radioactive material, excepted package - instruments, UN2911.”**

**Additional Comments:**

- There is a maximum of 8.0 TBq (216 Ci) total activity for H-3 that you may ship per package.
- You may mail (USPS) up to 8.0E+11 Bq (21.6 Ci) total activity of H-3 per package. All other 49 CFR conditions applicable to excepted packages for radioactive instruments, as indicated above, also apply to this USPS shipment.



## **SECTION III**

# **MILITARY TRANSPORTATION INFORMATION FOR U.S. ARMY RADIOACTIVE COMMODITIES**



TRANSPORTATION INFORMATION  
FOR U.S. ARMY  
RADIOACTIVE COMMODITIES

**SECTION III**

MILITARY TRANSPORTATION  
INFORMATION FOR  
U.S. ARMY  
RADIOACTIVE COMMODITIES

**A. Background Information**

1. This section provides guidance for the transportation of radioactive material (RAM) contained in military commodities (hereby known as Radioactive Military Commodity (RMC)) for the non-commercial transportation by U.S. Department of the Army (DA) personnel in DA owned and/or operated conveyances. Specifically, this section applies only to the RMCs transported as:
  - a. Radioactive Material, Excepted Package - Limited Quantity of Material (LQ).
  - b. Radioactive Material, Excepted Package - Instruments or Articles (I&A).
2. The DA transports RMCs containing low levels of RAM, such as compasses, fire control devices, chemical agent detectors/monitors, etc., in conveyances operated by DA military and/or civilian personnel. The movement of these RMCs may be to/from a warehouse to a unit's base of operations; movement to/from a calibration facility; turn-in of items to an excess storage/collection point; movement to/from a field training exercise; etc. The RMCs are under the control of DA military and/or civilian personnel during transportation and are not offered for transportation to a commercial carrier for a fee. The transportation of RMCs may take place on military installations as well as public highways.
3. The vast majority of the RMCs transported by the DA are classified and shipped in accordance with the U.S. Department of Transportation (DOT) as "Radioactive Material, Excepted Package-Instruments, UN2911." The RAM incorporated in these "Instruments" is designed so as not to be readily dispersible. The radioactive source is housed in materials that are constructed to meet modern battlefield conditions. By design specification, the RMC housing material serves as the primary packaging for the radioactive material contained within an instrument or article. In addition, many items are transported in cases (as directed by the technical manual (TM) associated with the item) that meet the packaging general design requirements of 49 CFR 173.410.
4. The DA routinely transports fixed activities of RAM in "excepted packages," meeting the intent of 49 CFR 173, when:
  - a. Personnel (military and/or civilian) who use the RMCs and/or accompany the conveyance are aware of the hazards present, and may perform emergency actions, if necessary. This information is detailed in the TM for the RMCs, which in many instances, the TMs are physically associated with the instrument or article.

b. The potential for non-fixed contamination levels in excess of the guidelines in 49 CFR 173, Table 11 is very low since damaged RMCs are not routinely shipped by the DA.

c. All RMCs transported have a fixed activity of RAM and are assigned a National Stock Number. This enables the DA to exercise appropriate logistical control of the RMC and provide specific transportation instructions for each, individual RMC.

## **B. Shipping Instructions**

1. Members of the DA who transport RAM in “excepted packages” in DA owned and/or operated conveyances may do so, **providing the following requirements are met:**

a. Only serviceable RMCs shall be used/transported, where the primary packaging is intact (i.e., the housing for the sealed radioactive source). When a compromised RMC must be transported, follow the shipping instructions provided in Section II of this TB.

b. You may use Section II of this TB in order to cross reference the RMC to its unique NSN and identify the RMC as Radioactive Material, Excepted Package - Limited Quantity of Material or Radioactive Material, Excepted Package - Instruments or Articles.

c. The RAM is packaged in its original packaging, a carrying case, or a container that has a proven history not to degrade under normal transportation conditions.

d. Ensure that the activity limits for LQ and I&A package limits are not exceeded, use the Table in Appendix K (pages K-1 and K-2) of this TB.

e. The DOT package certification statement must be forwarded with the RMC. Ensure the appropriate statement is in or on the package:

**“This package conforms to the conditions and limitations specified in 49 CFR 173.421 for excepted radioactive material, excepted package - limited quantity of material, UN2910.”**

**“This package conforms to the conditions and limitations specified in 49 CFR 173.424 for radioactive material, excepted package - instruments, UN2911.”**

f. Ensure that “excepted packages” are secured from unauthorized access during transportation. In addition, ensure that the package(s) is braced to prevent unnecessary movement during transportation.

g. Radiological package surveys (i.e., doserate survey and contamination survey) are NOT REQUIRED when RMCs are transported as outlined in paragraph 1a. - 1f. above.

2. Exclusions: Radioactive munitions, radioactive waste, Type A, and Type B radioactive packages, Low Specific Activity, Surface Contaminated Objects or any labeled radioactive packages will be shipped in accordance with 10 CFR and 49 CFR and are NOT addressed in this section.

## **SECTION IV**

# **INFORMATION FOR RECEIVING AND OPENING PACKAGES CONTAINING U.S. ARMY RADIOACTIVE COMMODITIES**



TRANSPORTATION INFORMATION  
FOR U.S. ARMY  
RADIOACTIVE COMMODITIES

**SECTION IV**

INFORMATION FOR  
RECEIVING AND OPENING PACKAGES CONTAINING  
U.S. ARMY  
RADIOACTIVE COMMODITIES

**The following excerpt is taken from 10 CFR 20.1906, Procedures for Receiving and Opening Packages.**

(a) Each licensee who expects to receive a package containing quantities of radioactive material in excess of a Type A quantity, as defined in §71.4 and appendix A to Part 71 of this chapter, shall make arrangements to receive-

- (1) The package when the carrier offers it for delivery; or
- (2) Notification of the arrival of the package at the carrier's terminal and to take possession of the package of the package expeditiously.

(b) Each licensee shall-

(1) Monitor the external surfaces of a labeled package (i.e., labeled with a Radioactive White I, Yellow II or Yellow III label) for radioactive contamination unless the package contains only radioactive material in the form of a gas or in special form as defined in 10 CFR §71.4:

(2) Monitor the external surfaces of a labeled package for radiation levels unless the package contains quantities of radioactive material that are less than or equal to the Type A quantity, as defined in §71.4 and appendix A to Part 71 of this chapter, and

(3) Monitor all packages known to contain radioactive material for radioactive contamination and radiation levels if there is evidence of degradation of package integrity, such as packages that are crushed, wet, or damaged.

(c) The licensee shall perform the monitoring required by paragraph (b) of this section as soon as practical after receipt of the package, but not later than 3 hours after the package is received at the licensee's facility if it is received during the licensee's normal working hours, or not later than 3 hours from the beginning of the next working day if it is received after working hours.

(d) The licensee shall immediately notify the final delivery carrier and the NRC Operations Center (301-816-5100), by telephone, when-

- (1) Removable radioactive surface contamination exceeds the limits of §71.87(i) of this chapter; or
- (2) External radiation levels exceed the limits of §71.47 of this chapter.

(e) Each licensee shall-

(1) Establish, maintain, and retain written procedures for safely opening packages in which radioactive material is received; and

(2) Ensure that the procedures are followed and that due consideration is given to special instructions for the type of package being opened.

(f) Licensee's transferring special form sources in licensee-owned vehicles to and

from a work site are exempt from the contamination monitoring requirements of paragraph (b) of this section, but are not exempt that the survey requirement in paragraph (b) of this section for measuring radiation levels that is required to ensure that the source is still properly lodged in its shield.



# **APPENDIX A**

## **REFERENCES**

AR 11-9, The Army Radiation Safety Program.

AR 55-38, Reporting of Transportation Discrepancies in Shipments.

AR 735-11-2, Reporting of Item and Packaging Discrepancies.

Dangerous Goods Regulations, IATA, 43<sup>rd</sup> Edition.

TB 43-0116, Identification of Radioactive Items in the Army.

TM 3-261, Handling and Disposal of Unwanted Radioactive Material.

TM 38-250, Preparing Hazardous Materials for Military Air Shipments.

TM 55-315, Transportability Guidance for Safe Transport of Radioactive Materials.

Title 10, Code of Federal Regulations, Energy.

Title 49, Code of Federal Regulations, Transportation.



## **APPENDIX B**

# **AMCOM KRYPTON COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE**



**APPENDIX B**  
**KR85 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1430011099106	1430012103017	11436885	E.T.	9.25E+06
1430012103017		NTN	E.T.	9.25E+06
1440010920545		NTN	POWER SUP	9.25E+06
1440010920545	5840012103017	NTN	SPARK GAP	9.25E+06
1560000229002		NTN	MARKER	1.85E+09
2925000649435A		NTN	EXCITER	1.85E+05
2925004441186B		NTN	EXCITER	1.85E+05
2925008567562B		NTN	EXCITER	1.85E+05
2925009395285A		NTN	EXCITER	1.85E+05
2925009502516B		NTN	EXCITER	1.85E+05
2925009728180B		NTN	EXCITER	1.85E+05
2925010787854		NTN	IGN EXCIT	7.40E+04
5840012103017		NTN	SPARK GAP	9.25E+06



## **APPENDIX C**

# **TACOM-W RADIUM COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE**





**APPENDIX C**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1450000668873		M 501 E3		1.92E+05
1450000668873	6680005145494	M 501 E3	INDICATOR	8.88E+03
1450000668873	6680009335550	M 501 E3	INDICATOR	1.83E+05
1450006653180		M 501 E1		1.92E+05
1450006653180	6680005145494	M 501 E1	INDICATOR	8.88E+03
1450006653180	6680009335550	M 501 E1	INDICATOR	1.83E+05
1450007687046		M 501 E2		1.92E+05
1450007687046	6680005145494	M 501 E2	INDICATOR	8.88E+03
1450007687046	6680009335550	M 501 E2	INDICATOR	1.83E+05
1450009334704		NTN		1.92E+05
1450009334704	6680005145494	NTN	INDICATOR	8.88E+03
1450009334704	6680009335550	NTN	INDICATOR	1.83E+05
2320002266081		M 123 A1C		1.92E+05
2320002266081	6680005145494	M 123 A1C	INDICATOR	8.88E+03
2320002266081	6680009335550	M 123 A1C	INDICATOR	1.83E+05
2350001169765	6620008347255	M 60 A1	GAGE	7.03E+04
2350001226826	6685007389567	M 88 A1	INDICATOR	1.92E+04
2350001405151	6620009304048	M 551 A1	METER VLT	4.07E+04
2350001405151	6680009304047	M 551 A1	SPEED-TAC	9.25E+04
2350001405151	6685009303271	M 551 A1	INDICATOR	8.88E+03
2350001486548	6620008347255	M 60 A1E3	GAGE	7.03E+04
2350003018456	6680000242276	NTN	INDICATOR	8.88E+03
2350004366635	2590009371453	M 107	PANEL	1.85E+05
2350004396242	2590009371453	M 578	PANEL	1.85E+05
2350004396243	2590009371453	M 110	PANEL	1.85E+05
2350006785772		M 88		2.04E+04
2350006785772	6620005145492	88 N	INDICATOR	1.15E+04
2350006785772	6680000242276	88 N	INDICATOR	8.88E+03
2350008016710	6620005145492	M 103 A2	INDICATOR	1.15E+04
2350008735408	6620009304048	M 551	METER VLT	4.07E+04
2350008735408	6680009304047	M 551	SPEED-TAC	9.25E+04
2350008925562	6620005145492	NTN	INDICATOR	1.15E+04
2350008959154	6620005145492	NTN	INDICATOR	1.15E+04
2350010133914	2590009371453	M 110 A1	PANEL	1.85E+05

**APPENDIX C**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
2350010414590	2590009371453	M 110 A2	PANEL	1.85E+05
2350010591503	6620008347255	M 60 A1 PA	GAGE	7.03E+04
2350010612306	6620008347255	M 60 A3	GAGE	7.03E+04
2420000889384	6680002826165	M 290	SPEEDOMTR	9.40E+04
2510007037197		NTN	PARTS KIT	2.11E+04
2540011368702		NTN	PANEL	1.85E+05
2590006784217		NTN	PANEL	1.85E+05
2590009371453		NTN	PANEL	1.85E+05
3805000504638		VL 624		5.62E+04
3805000504638	6625000487693	VL 624	METER ARB	3.70E+04
3805000504638	6625005803881	VL 624	METER BAT	1.92E+04
3805005423054	6620005145492	750	INDICATOR	1.15E+04
3805007276719		4262		2.49E+05
3805007276719	6680005145494	4262	INDICATOR	8.88E+03
3805007276719	6680009335550	4262	INDICATOR	1.83E+05
3805007276719	6685005145493	4262	INDICATOR	3.70E+04
3805007276719	6685007527765	4262	INDICATOR	2.07E+04
3810000875020		NTN		2.61E+05
3810000875020	6620005145492	NTN	INDICATOR	1.15E+04
3810000875020	6680005145494	NTN	INDICATOR	8.88E+03
3810000875020	6680009335550	NTN	INDICATOR	1.83E+05
3810000875020	6685005145493	NTN	INDICATOR	3.70E+04
3810000875020	6685007527765	NTN	INDICATOR	2.07E+04
3810008618088		M 230 T		2.49E+05
3810008618088	6680005145494	M 230 T	INDICATOR	8.88E+03
3810008618088	6680009335550	M 230 T	INDICATOR	1.83E+05
3810008618088	6685005145493	M 230 T	INDICATOR	3.70E+04
3810008618088	6685007527765	M 230 T	INDICATOR	2.07E+04
3810009480407		H 446		4.66E+04
3810009480407	6685005145491	H 446	INDICATOR	2.59E+04
3810009480407	6685008976274	H 446	INDICATOR	2.07E+04
3810009890505		2360		1.25E+05
3810009890505	6620005145492	2360	INDICATOR	1.15E+04
3810009890505	6625000487693	2360	METER ARB	3.70E+04

**APPENDIX C**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
3810009890505	6625005803881	2360	METER BAT	1.92E+04
3810009890505	6685005145493	2360	INDICATOR	3.70E+04
3810009890505	6685007527765	2360	INDICATOR	2.07E+04
3810009890506		NTN		1.25E+05
3810009890506	6620005145492	NTN	INDICATOR	1.15E+04
3810009890506	6625000487693	NTN	METER ARB	3.70E+04
3810009890506	6625005803881	NTN	METER BAT	1.92E+04
3810009890506	6685005145493	NTN	INDICATOR	3.70E+04
3810009890506	6685007527765	NTN	INDICATOR	2.07E+04
3895008329337		O 37		5.77E+04
3895008329337	6685005145493	O 37	INDICATOR	3.70E+04
3895008329337	6685007527765	O 37	INDICATOR	2.07E+04
3895008354512		HBG		3.06E+05
3895008354512	6625000487693	HBG	METER ARB	3.70E+04
3895008354512	6625005803881	HBG	METER BAT	1.92E+04
3895008354512	6680005145494	HBG	INDICATOR	8.88E+03
3895008354512	6680009335550	HBG	INDICATOR	1.83E+05
3895008354512	6685005145493	HBG	INDICATOR	3.70E+04
3895008354512	6685007527765	HBG	INDICATOR	2.07E+04
3895008425326		T 58 M		2.48E+05
3895008425326	6625000487693	T 58 M	METER ARB	3.70E+04
3895008425326	6625005803881	T 58 M	METER BAT	1.92E+04
3895008425326	6680005145494	T 58 M	INDICATOR	8.88E+03
3895008425326	6680009335550	T 58 M	INDICATOR	1.83E+05
3895008492116		D 40		5.77E+04
3895008492116	6685005145493	D 40	INDICATOR	3.70E+04
3895008492116	6685007527765	D 40	INDICATOR	2.07E+04
3895008830437		B2-1171		2.67E+05
3895008830437	6620008201495	B2-1171	INDICATOR	1.74E+04
3895008830437	6680005145494	B2-1171	INDICATOR	8.88E+03
3895008830437	6680009335550	B2-1171	INDICATOR	1.83E+05
3895008830437	6685005145493	B2-1171	INDICATOR	3.70E+04
3895008830437	6685007527765	B2-1171	INDICATOR	2.07E+04
3895009176611		KX25E (A66)		1.14E+05

**APPENDIX C**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
3895009176611	6625000487693	KX25E (A66)	METER ARB	3.70E+04
3895009176611	6625005803881	KX25E (A66)	METER BAT	1.92E+04
3895009176611	6685005145493	KX25E (A66)	INDICATOR	3.70E+04
3895009176611	6685007527765	KX25E (A66)	INDICATOR	2.07E+04
3895009330577		KA 60		5.77E+04
3895009330577	6685005145493	KA 60	INDICATOR	3.70E+04
3895009330577	6685007527765	KA 60	INDICATOR	2.07E+04
3895009368613		NTN		5.77E+04
3895009368613	6685005145493	NTN	INDICATOR	3.70E+04
3895009368613	6685007527765	NTN	INDICATOR	2.07E+04
3895009891147		MILO32		5.77E+04
3895009891147	6685005145493	MILO32	INDICATOR	3.70E+04
3895009891147	6685007527765	MILO32	INDICATOR	2.07E+04
3895009976099		NTN		1.92E+05
3895009976099	6680005145494	NTN	INDICATOR	8.88E+03
3895009976099	6680009335550	NTN	INDICATOR	1.83E+05
3930009030900		MLT6		5.62E+04
3930009030900	6625000487693	MLT6	METER ARB	3.70E+04
3930009030900	6625005803881	MLT6	METER BAT	1.92E+04
4310005422525		DR-600		1.49E+05
4310005422525	6620008201495	DR-600	INDICATOR	1.74E+04
4310005422525	6625000487693	DR-600	METER ARB	3.70E+04
4310005422525	6625005803881	DR-600	METER BAT	1.92E+04
4310005422525	6680005145495	DR-600	INDICATOR	1.74E+04
4310005422525	6685005145493	DR-600	INDICATOR	3.70E+04
4310005422525	6685007527765	DR-600	INDICATOR	2.07E+04
5420010766096	6680002826165	M 48 A5	SPEEDOMTR	9.40E+04
6620003504591		NTN	INDICATOR	1.15E+04
6620005688035		NTN	GAGE PRES	4.44E+04
6620008201494		NTN	INDICATOR	1.74E+04
6620008201495		NTN	INDICATOR	1.74E+04
6620008201495		NTN	INDICATOR	1.74E+04
6620008347253		NTN	GAGE	5.92E+04
6620008347255		NTN	GAGE	7.03E+04

**APPENDIX C**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
6620009023292		NTN	GAGE	1.74E+04
6620009023293		NTN	INDICATOR	1.74E+04
6625000487693		NTN	METER ARB	3.70E+04
6625000487693A		NTN	METER BAT	3.70E+04
6625003359512		NTN	METER BAT	1.74E+04
6625003359513		NTN	METER BAT	1.74E+04
6625005803381		NTN	METER ARB	1.92E+04
6625005803381		NTN	METER BAT	1.92E+04
6680000242276		NTN	INDICATOR	8.88E+03
6680002826165		NTN	SPEEDOMTR	9.40E+04
6680005082006		NTN	GAGE	9.99E+03
6680005145494		NTN	INDICATOR	8.88E+03
6680005145495		NTN	INDICATOR	1.74E+04
6680006956062		NTN	INDICATOR	3.70E+04
6680007727448		NTN	TACH	9.25E+04
6680009304047		NTN	SPEED-TAC	9.25E+04
6680009335550		NTN	INDICATOR	1.83E+05
6685003507358		NTN	INDICATOR	1.74E+04
6685005145491		NTN	INDICATOR	2.59E+04
6685005145493		NTN	INDICATOR	3.70E+04
6685007389567		NTN	INDICATOR	1.92E+04
6685007412564		NTN	INDICATOR	1.81E+04
6685007412565		NTN	INDICATOR	5.55E+05
6685007415751		NTN	INDICATOR	2.07E+04
6685007527765		NTN	INDICATOR	2.07E+04
6685007728853		NTN	INDICATOR	2.07E+04
6685008144772		NTN	INDICATOR	5.55E+05
6685008976274		NTN	INDICATOR	2.07E+04
6685009303271		NTN	INDICATOR	8.88E+03
6685009303272		NTN	INDICATOR	2.11E+04
6685009303272		NTN	INDICATOR	2.11E+04



## **APPENDIX D**

# **CECOM RADIUM COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE**





**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1005010140837	5930006551514	M 167 A1	T.S.	5.55E+03
1005019994391	5930006551514	M 167	T.S.	5.55E+03
1190006891014	5930006551514	NTN	T.S.	5.55E+03
1190006891014	5930006551582	NTN	SWITCH	5.55E+03
1290005032612	6605004939203	ANTNS 3	COMPASS	2.66E+05
2350010172113	5930006551514	M 163 A1	T.S.	5.55E+03
4920008925977	5930006551514	ANASM 70	T.S.	5.55E+03
4931007071229	5930006551582	NTN	SWITCH	5.55E+03
4931008790905	5930006551514	ANTPM 23VADS	T.S.	5.55E+03
4931008790905	5930006551582	ANTPM 23VADS	SWITCH	5.55E+03
4933000118751	5930006551514	NTN	T.S.	5.55E+03
4933000118751	5930006551582	NTN	SWITCH	5.55E+03
4940002079448	5930006551582	NTN	SWITCH	5.55E+03
5355001631617		NTN	KNOB	4.81E+03
5355001639955		NTN	KNOB	4.81E+03
5355004049678		NTN	KNOB	4.81E+03
5355005596288		NTN	DIAL SCAL	5.81E+05
5355006304660	6625005554385	NTN	METER ARB	6.29E+03
5355006679207		NTN	KNOB	4.81E+03
5411007532889		S 186		4.03E+04
5411007532889	6625006690769	S 186	METER AUD	2.55E+04
5411007532889	6625006690770	S 186	METER AUD	1.48E+04
5805001616617		MT-313/GT	PLUG	5.55E+05
5805001616649		U-4/GT	ADAPTER	5.55E+05
5805006653436		ANFGC 1		4.03E+04
5805006653436	6625006690769	ANFGC 1	METER AUD	2.55E+04
5805006653436	6625006690770	ANFGC 1	METER AUD	1.48E+04
5805008688214	5930006551582	ANTCC 61	T.S.	5.55E+03
5805008778741	5930006551582	ANTCC 61	T.S.	5.55E+03
5815000698914		ANVSC 2		1.70E+05
5815000698914	6625002265679	ANVSC 2	METER ARB	3.70E+04
5815000698914	6625002265680	ANVSC 2	METER AUD	2.22E+04
5815000698914	6625002265681	ANVSC 2	METER ARB	3.70E+04
5815000698914	6625002571103	ANVSC 2	METER MLT	3.70E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5815000698914	6625009264412	ANVSC 2	METER AMM	3.70E+04
5815000824205		ANGRC 46C		1.16E+05
5815000824205	5355001639955	ANGRC 46C	KNOB	4.81E+03
5815000824205	5355001639955	ANGRC 46C	KNOB	4.81E+03
5815000824205	5355005520451	ANGRC 46C	KNOB	4.81E+03
5815000824205	6625005389700	ANGRC 46C	METER AUD	3.70E+04
5815000824205	6625005690243	ANGRC 46C	METER AMM	2.18E+04
5815000824205	6625005801901	ANGRC 46C	METER VLT	1.04E+04
5815000824205	6625005809579	ANGRC 46C	METER AMM	1.04E+04
5815000824205	6625006690769	ANGRC 46C	METER AUD	2.55E+04
5815001677998		ANGRC122A		1.92E+05
5815001677998	6625002265679	ANGRC122A	METER ARB	3.70E+04
5815001677998	6625002265680	ANGRC122A	METER AUD	2.22E+04
5815001677998	6625002265680	ANGRC122A	METER AUD	2.22E+04
5815001677998	6625002265681	ANGRC122A	METER ARB	3.70E+04
5815001677998	6625002571103	ANGRC122A	METER ARB	3.70E+04
5815001677998	6625009264412	ANGRC122A	METER AMM	3.70E+04
5815001681556		ANGRC142A		1.92E+05
5815001681556	6625002265679	ANGRC142A	METER ARB	3.70E+04
5815001681556	6625002265680	ANGRC142A	METER AUD	2.22E+04
5815001681556	6625002265680	ANGRC142A	METER AUD	2.22E+04
5815001681556	6625002265681	ANGRC142A	METER ARB	3.70E+04
5815001681556	6625002571103	ANGRC142A	METER ARB	3.70E+04
5815001681556	6625009264412	ANGRC142A	METER AMM	3.70E+04
5815002248129		ANVSC 2		1.70E+05
5815002248129	6625002265679	ANVSC 2	METER ARB	3.70E+04
5815002248129	6625002265680	ANVSC 2	METER AUD	2.22E+04
5815002248129	6625002265681	ANVSC 2	METER ARB	3.70E+04
5815002248129	6625002571103	ANVSC 2	METER MLT	3.70E+04
5815002248129	6625009264412	ANVSC 2	METER AMM	3.70E+04
5815002248130		ANVSC 3		1.91E+05
5815002248130	6625002265679	ANVSC 3	METER ARB	3.70E+04
5815002248130	6625002265680	ANVSC 3	METER AUD	2.22E+04
5815002248130	6625002265681	ANVSC 3	METER ARB	3.70E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5815002248130	6625002571103	ANVSC 3	METER MLT	3.70E+04
5815002248130	6625005553095	ANVSC 3	METER VLT	2.04E+04
5815002248130	6625009264412	ANVSC 3	METER AMM	3.70E+04
5815003997223		ANGRC 26		4.03E+04
5815003997223	6625006690769	ANGRC 26	METER AUD	2.55E+04
5815003997223	6625006690770	ANGRC 26	METER AUD	1.48E+04
5815004019719		ANGRC122 LP		1.92E+05
5815004019719	6625002265679	ANGRC122 LP	METER ARB	3.70E+04
5815004019719	6625002265680	ANGRC122 LP	METER AUD	2.22E+04
5815004019719	6625002265680	ANGRC122 LP	METER AUD	2.22E+04
5815004019719	6625002265681	ANGRC122 LP	METER ARB	3.70E+04
5815004019719	6625002571103	ANGRC122 LP	METER MLT	3.70E+04
5815004019719	6625009264412	ANGRC122 LP	METER AMM	3.70E+04
5815004019720		ANGRC142		1.92E+05
5815004019720	6625002265679	ANGRC142	METER ARB	3.70E+04
5815004019720	6625002265680	ANGRC142	METER AUD	2.22E+04
5815004019720	6625002265680	ANGRC142	METER AUD	2.22E+04
5815004019720	6625002265681	ANGRC142	METER ARB	3.70E+04
5815004019720	6625002571103	ANGRC142	METER ARB	3.70E+04
5815004019720	6625009264412	ANGRC142	METER AMM	3.70E+04
5815004019721		ANVRC 29		1.11E+05
5815004019721	5355001639955	ANVRC 29	KNOB	4.81E+03
5815004019721	5355001639955	ANVRC 29	KNOB	4.81E+03
5815004019721	6625005389700	ANVRC 29	METER AUD	3.70E+04
5815004019721	6625005690243	ANVRC 29	METER AMM	2.18E+04
5815004019721	6625005801901	ANVRC 29	METER VLT	1.04E+04
5815004019721	6625005809579	ANVRC 29	METER AMM	1.04E+04
5815004019721	6625006690769	ANVRC 29	METER AUD	2.55E+04
5815004435511		ANGRC142B		1.92E+05
5815004435511	6625002265679	ANGRC142B	METER ARB	3.70E+04
5815004435511	6625002265680	ANGRC142B	METER AUD	2.22E+04
5815004435511	6625002265680	ANGRC142B	METER AUD	2.22E+04
5815004435511	6625002265681	ANGRC142B	METER ARB	3.70E+04
5815004435511	6625002571103	ANGRC142B	METER ARB	3.70E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5815004435511	6625009264412	ANGRC142B	METER AMM	3.70E+04
5815005180398		ANGRC 26D LP		4.03E+04
5815005180398	6625006690769	ANGRC 26D LP	METER AUD	2.55E+04
5815005180398	6625006690770	ANGRC 26D LP	METER AUD	1.48E+04
5815005373948		CV278		1.70E+04
5815005373948	6625005801901	CV278	METER VLT	1.04E+04
5815005373948	6625005809579	CV278	METER AMM	1.04E+04
5815005431728		CV278/GR		1.70E+04
5815005431728	6625005801901	CV278/GR	METER VLT	1.04E+04
5815005431728	6625005809579	CV278/GR	METER AMM	1.04E+04
5815005431758		ANVRC 29		1.11E+05
5815005431758	5355001639955	ANVRC 29	KNOB	4.81E+03
5815005431758	5355001639955	ANVRC 29	KNOB	4.81E+03
5815005431758	6625005389700	ANVRC 29	METER AUD	3.70E+04
5815005431758	6625005690243	ANVRC 29	METER AMM	2.18E+04
5815005431758	6625005801901	ANVRC 29	METER VLT	1.04E+04
5815005431758	6625005809579	ANVRC 29	METER AMM	1.04E+04
5815005431758	6625006690769	ANVRC 29	METER AUD	2.55E+04
5815005431760		ANGRC 46		1.16E+05
5815005431760	5355001639955	ANGRC 46	KNOB	4.81E+03
5815005431760	5355001639955	ANGRC 46	KNOB	4.81E+03
5815005431760	5355005520451	ANGRC 46	KNOB	4.81E+03
5815005431760	6625005389700	ANGRC 46	METER AUD	3.70E+04
5815005431760	6625005690243	ANGRC 46	METER AMM	2.18E+04
5815005431760	6625005801901	ANGRC 46	METER VLT	1.04E+04
5815005431760	6625005809579	ANGRC 46	METER AMM	1.04E+04
5815005431760	6625006690769	ANGRC 46	METER AUD	2.55E+04
5815006819711		ANGRC 26D		4.03E+04
5815006819711	6625006690769	ANGRC 26D	METER AUD	2.55E+04
5815006819711	6625006690770	ANGRC 26D	METER AUD	1.48E+04
5815006819771		ANGRC 26		4.03E+04
5815006819771	6625006690769	ANGRC 26	METER AUD	2.55E+04
5815006819771	6625006690770	ANGRC 26	METER AUD	1.48E+04
5815007888540		ANVSC 3		1.91E+05

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5815007888540	6625002265679	ANVSC 3	METER ARB	3.70E+04
5815007888540	6625002265680	ANVSC 3	METER AUD	2.22E+04
5815007888540	6625002265681	ANVSC 3	METER ARB	3.70E+04
5815007888540	6625002571103	ANVSC 3	METER MLT	3.70E+04
5815007888540	6625005553095	ANVSC 3	METER VLT	2.04E+04
5815007888540	6625009264412	ANVSC 3	METER AMM	3.70E+04
5815008688242		ANGRC122		1.92E+05
5815008688242	6625002265679	ANGRC122	METER ARB	3.70E+04
5815008688242	6625002265680	ANGRC122	METER AUD	2.22E+04
5815008688242	6625002265680	ANGRC122	METER AUD	2.22E+04
5815008688242	6625002265681	ANGRC122	METER ARB	3.70E+04
5815008688242	6625002571103	ANGRC122	METER MLT	3.70E+04
5815008688242	6625009264412	ANGRC122	METER AMM	3.70E+04
5815008894223		ANVSC 1		1.06E+05
5815008894223	5355001639955	ANVSC 1	KNOB	4.81E+03
5815008894223	6625005389700	ANVSC 1	METER AUD	3.70E+04
5815008894223	6625005690243	ANVSC 1	METER AMM	2.18E+04
5815008894223	6625005801901	ANVSC 1	METER VLT	1.04E+04
5815008894223	6625005809579	ANVSC 1	METER AMM	1.04E+04
5815008894223	6625006690769	ANVSC 1	METER AUD	2.55E+04
5815009194800		MD522A/GR		7.40E+04
5815009194800	6625002571103	MD522A/GR	METER MLT	3.70E+04
5815009194800	6625009264412	MD522A/GR	METER AMM	3.70E+04
5815009375295		ANGRC122B		1.92E+05
5815009375295	6625002265679	ANGRC122B	METER ARB	3.70E+04
5815009375295	6625002265680	ANGRC122B	METER AUD	2.22E+04
5815009375295	6625002265680	ANGRC122B	METER AUD	2.22E+04
5815009375295	6625002265681	ANGRC122B	METER ARB	3.70E+04
5815009375295	6625002571103	ANGRC122B	METER ARB	3.70E+04
5815009375295	6625009264412	ANGRC122B	METER AMM	3.70E+04
5815009375297		ANGRC122		1.92E+05
5815009375297	6625002265679	ANGRC122	METER ARB	3.70E+04
5815009375297	6625002265680	ANGRC122	METER AUD	2.22E+04
5815009375297	6625002265680	ANGRC122	METER AUD	2.22E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5815009375297	6625002265681	ANGRC122	METER ARB	3.70E+04
5815009375297	6625002571103	ANGRC122	METER MLT	3.70E+04
5815009375297	6625009264412	ANGRC122	METER AMM	3.70E+04
5815009995277		MD522 /GRC		7.40E+04
5815009995277	6625002571103	MD522 /GRC	METER MLT	3.70E+04
5815009995277	6625009264412	MD522 /GRC	METER AMM	3.70E+04
5815010951211		ANGRC122C		1.92E+05
5815010951211	6625002265679	ANGRC122C	METER ARB	3.70E+04
5815010951211	6625002265680	ANGRC122C	METER AUD	2.22E+04
5815010951211	6625002265680	ANGRC122C	METER AUD	2.22E+04
5815010951211	6625002265681	ANGRC122C	METER ARB	3.70E+04
5815010951211	6625002571103	ANGRC122C	METER ARB	3.70E+04
5815010951211	6625009264412	ANGRC122C	METER AMM	3.70E+04
5815010951212		ANGRC122E		1.92E+05
5815010951212	6625002265679	ANGRC122E	METER ARB	3.70E+04
5815010951212	6625002265680	ANGRC122E	METER AUD	2.22E+04
5815010951212	6625002265680	ANGRC122E	METER AUD	2.22E+04
5815010951212	6625002265681	ANGRC122E	METER ARB	3.70E+04
5815010951212	6625002571103	ANGRC122E	METER ARB	3.70E+04
5815010951212	6625009264412	ANGRC122E	METER AMM	3.70E+04
5815010956258		ANGRC142E		1.92E+05
5815010956258	6625002265679	ANGRC142E	METER ARB	3.70E+04
5815010956258	6625002265680	ANGRC142E	METER AUD	2.22E+04
5815010956258	6625002265680	ANGRC142E	METER AUD	2.22E+04
5815010956258	6625002265681	ANGRC142E	METER ARB	3.70E+04
5815010956258	6625002571103	ANGRC142E	METER ARB	3.70E+04
5815010956258	6625009264412	ANGRC142E	METER AMM	3.70E+04
5815010960428		ANGRC122D		1.92E+05
5815010960428	6625002265679	ANGRC122D	METER ARB	3.70E+04
5815010960428	6625002265680	ANGRC122D	METER AUD	2.22E+04
5815010960428	6625002265680	ANGRC122D	METER AUD	2.22E+04
5815010960428	6625002265681	ANGRC122D	METER ARB	3.70E+04
5815010960428	6625002571103	ANGRC122D	METER ARB	3.70E+04
5815010960428	6625009264412	ANGRC122D	METER AMM	3.70E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5815011006815		ANGRC142C		1.92E+05
5815011006815	6625002265679	ANGRC142C	METER ARB	3.70E+04
5815011006815	6625002265680	ANGRC142C	METER AUD	2.22E+04
5815011006815	6625002265680	ANGRC142C	METER AUD	2.22E+04
5815011006815	6625002265681	ANGRC142C	METER ARB	3.70E+04
5815011006815	6625002571103	ANGRC142C	METER ARB	3.70E+04
5815011006815	6625009264412	ANGRC142C	METER AMM	3.70E+04
5815011025916		ANVSC 3A		1.91E+05
5815011025916	6625002265679	ANVSC 3A	METER ARB	3.70E+04
5815011025916	6625002265680	ANVSC 3A	METER AUD	2.22E+04
5815011025916	6625002265681	ANVSC 3A	METER ARB	3.70E+04
5815011025916	6625002571103	ANVSC 3A	METER MLT	3.70E+04
5815011025916	6625005553095	ANVSC 3A	METER VLT	2.04E+04
5815011025916	6625009264412	ANVSC 3A	METER AMM	3.70E+04
5815011047264		ANGRC142D		1.92E+05
5815011047264	6625002265679	ANGRC142D	METER ARB	3.70E+04
5815011047264	6625002265680	ANGRC142D	METER AUD	2.22E+04
5815011047264	6625002265680	ANGRC142D	METER AUD	2.22E+04
5815011047264	6625002265681	ANGRC142D	METER ARB	3.70E+04
5815011047264	6625002571103	ANGRC142D	METER ARB	3.70E+04
5815011047264	6625009264412	ANGRC142D	METER AMM	3.70E+04
5815011423079		ANGRC142F		1.92E+05
5815011423079	6625002265679	ANGRC142F	METER ARB	3.70E+04
5815011423079	6625002265680	ANGRC142F	METER AUD	2.22E+04
5815011423079	6625002265680	ANGRC142F	METER AUD	2.22E+04
5815011423079	6625002265681	ANGRC142F	METER ARB	3.70E+04
5815011423079	6625002571103	ANGRC142F	METER ARB	3.70E+04
5815011423079	6625009264412	ANGRC142F	METER AMM	3.70E+04
5820000140018	6625006182068	4O A 1551	METER ARB	1.11E+03
5820000300155		ANGRC 19		9.40E+04
5820000300155	5355001639955	ANGRC 19	KNOB	4.81E+03
5820000300155	5355001639955	ANGRC 19	KNOB	4.81E+03
5820000300155	6625005389700	ANGRC 19	METER AUD	3.70E+04
5820000300155	6625005690243	ANGRC 19	METER AMM	2.18E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820000300155	6625006690769	ANGRC 19	METER AUD	2.55E+04
5820000698912		ANMRC 73 LP		1.57E+05
5820000698912	5925001752580	ANMRC 73 LP	C.B.	3.70E+04
5820000698912	5925008890768	ANMRC 73 LP	C.B.	3.70E+04
5820000698912	5930006157880	ANMRC 73 LP	T.S.	5.55E+03
5820000698912	6625005389000	ANMRC 73 LP	METER AMM	1.15E+04
5820000698912	6625005733786	ANMRC 73 LP	METER VLT	8.88E+03
5820000698912	6625006685134	ANMRC 73 LP	METER AMM	9.62E+03
5820000698912	6625006689315	ANMRC 73 LP	METER VLT	7.40E+03
5820000698941		ANTRC117		1.17E+05
5820000698941	5930006551582	ANTRC117	T.S.	5.55E+03
5820000698941	6625002265679	ANTRC117	METER ARB	3.70E+04
5820000698941	6625002265681	ANTRC117	METER ARB	3.70E+04
5820000698941	6625006690261	ANTRC117	METER MLT	2.29E+04
5820000784766		NTN	REC-TRMIT	0.00E+00
5820000784766	6625002265680	RT 662	METER AUD	2.22E+04
5820000823828	6625002235244	ANMRC 67 A	METER MLT	1.85E+03
5820000823847	6625006182068	R 744 A	METER ARB	1.11E+03
5820000879786		NTN	T.S.	3.70E+04
5820000897358		ANTRR 18 LP		4.03E+04
5820000897358	6625006690769	ANTRR 18 LP	METER AUD	2.55E+04
5820000897358	6625006690770	ANTRR 18 LP	METER AUD	1.48E+04
5820001086292		ANMRC 73 A		1.57E+05
5820001086292	5925001752580	ANMRC 73 A	C.B.	3.70E+04
5820001086292	5925008890768	ANMRC 73 A	C.B.	3.70E+04
5820001086292	5930006157880	ANMRC 73 A	T.S.	5.55E+03
5820001086292	6625005389000	ANMRC 73 A	METER AMM	1.15E+04
5820001086292	6625005733786	ANMRC 73 A	METER VLT	8.88E+03
5820001086292	6625006685134	ANMRC 73 A	METER AMM	9.62E+03
5820001086292	6625006689315	ANMRC 73 A	METER VLT	7.40E+03
5820001086292	6625006690261	ANMRC 73 A	METER MLT	2.29E+04
5820001086293		ANMRC 69 AV		1.57E+05
5820001086293	5925001752580	ANMRC 69 AV	C.B.	3.70E+04
5820001086293	5925008890768	ANMRC 69 AV	C.B.	3.70E+04



**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820001086293	5930006157880	ANMRC 69 AV	T.S.	5.55E+03
5820001086293	6625005389000	ANMRC 69 AV	METER AMM	1.15E+04
5820001086293	6625005733786	ANMRC 69 AV	METER VLT	8.88E+03
5820001086293	6625006685134	ANMRC 69 AV	METER AMM	9.62E+03
5820001086293	6625006689315	ANMRC 69 AV	METER VLT	7.40E+03
5820001086293	6625006690261	ANMRC 69 AV	METER MLT	2.29E+04
5820001086295		ANMRC 69 AV1		1.57E+05
5820001086295	5925001752580	ANMRC 69 AV1	C.B.	3.70E+04
5820001086295	5925008890768	ANMRC 69 AV1	C.B.	3.70E+04
5820001086295	5930006157880	ANMRC 69 AV1	T.S.	5.55E+03
5820001086295	6625005389000	ANMRC 69 AV1	METER AMM	1.15E+04
5820001086295	6625005733786	ANMRC 69 AV1	METER VLT	8.88E+03
5820001086295	6625006685134	ANMRC 69 AV1	METER AMM	9.62E+03
5820001086295	6625006689315	ANMRC 69 AV1	METER VLT	7.40E+03
5820001086295	6625006690261	ANMRC 69 AV1	METER MLT	2.29E+04
5820001447842		ANTRC111 LP		1.48E+05
5820001447842	6625002265679	ANTRC111 LP	METER ARB	3.70E+04
5820001447842	6625002265681	ANTRC111 LP	METER ARB	3.70E+04
5820001447842	6625002265681	ANTRC111 LP	METER ARB	3.70E+04
5820001486150		ANMRC 54 AV1		1.57E+05
5820001486150	5925001752580	ANMRC 54 AV1	C.B.	3.70E+04
5820001486150	5925008890768	ANMRC 54 AV1	C.B.	3.70E+04
5820001486150	5930006157880	ANMRC 54 AV1	T.S.	5.55E+03
5820001486150	6625005389000	ANMRC 54 AV1	METER AMM	1.15E+04
5820001486150	6625005733786	ANMRC 54 AV1	METER VLT	8.88E+03
5820001486150	6625006685134	ANMRC 54 AV1	METER AMM	9.62E+03
5820001486150	6625006689315	ANMRC 54 AV1	METER VLT	7.40E+03
5820001486150	6625006690261	ANMRC 54 AV1	METER MLT	2.29E+04
5820001558570		ANMRC 73A V1		1.57E+05
5820001558570	5925001752580	ANMRC 73A V1	C.B.	3.70E+04
5820001558570	5925008890768	ANMRC 73A V1	C.B.	3.70E+04
5820001558570	5930006157880	ANMRC 73A V1	T.S.	5.55E+03
5820001558570	6625005389000	ANMRC 73A V1	METER AMM	1.15E+04
5820001558570	6625005733786	ANMRC 73A V1	METER VLT	8.88E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820001558570	6625006685134	ANMRC 73A V1	METER AMM	9.62E+03
5820001558570	6625006689315	ANMRC 73A V1	METER VLT	7.40E+03
5820001558570	6625006690261	ANMRC 73A V1	METER MLT	2.29E+04
5820001646368	6625005389575	R 19	METER AMM	9.62E+03
5820001647136	6625008891585	AM 8	METER AMM	9.62E+03
5820001647146	6625008891585	ANTRA 1	METER AMM	9.62E+03
5820001677936		ANTRC117		1.17E+05
5820001677936	5930006551582	ANTRC117	T.S.	5.55E+03
5820001677936	6625002265679	ANTRC117	METER ARB	3.70E+04
5820001677936	6625002265681	ANTRC117	METER ARB	3.70E+04
5820001677999	5930006551582	ANTRC109 LP	T.S.	5.55E+03
5820001678002	5930006551582	ANTRC108	T.S.	5.55E+03
5820001678003		ANGRC106		1.55E+05
5820001678003	6625002265679	ANGRC106	METER ARB	3.70E+04
5820001678003	6625002265680	ANGRC106	METER AUD	2.22E+04
5820001678003	6625002265680	ANGRC106	METER AUD	2.22E+04
5820001678003	6625002265681	ANGRC106	METER ARB	3.70E+04
5820001678005		ANGRC106A		1.55E+05
5820001678005	6625002265679	ANGRC106A	METER ARB	3.70E+04
5820001678005	6625002265680	ANGRC106A	METER AUD	2.22E+04
5820001678005	6625002265680	ANGRC106A	METER AUD	2.22E+04
5820001678005	6625002265681	ANGRC106A	METER ARB	3.70E+04
5820001681557		ANTRC 80 LP		6.11E+05
5820001681557	6605002378215	ANTRC 80 LP	COMPASS	5.55E+05
5820001681557	6610008398638	ANTRC 80 LP	INDICATOR	5.55E+04
5820001681558		ANTRC 90		6.11E+05
5820001681558	6605002378215	ANTRC 90	COMPASS	5.55E+05
5820001681558	6610008398638	ANTRC 90	INDICATOR	5.55E+04
5820001681559		ANTRC 90A		6.11E+05
5820001681559	6605002378215	ANTRC 90A	COMPASS	5.55E+05
5820001681559	6610008398638	ANTRC 90A	INDICATOR	5.55E+04
5820001681560		ANTRC 90B		6.11E+05
5820001681560	6605002378215	ANTRC 90B	COMPASS	5.55E+05
5820001681560	6610008398638	ANTRC 90B	INDICATOR	5.55E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820001681561		ANTRC112 LP		1.70E+05
5820001681561	6625002265679	ANTRC112 LP	METER ARB	3.70E+04
5820001681561	6625002265680	ANTRC112 LP	METER AUD	2.22E+04
5820001681561	6625002265681	ANTRC112 LP	METER ARB	3.70E+04
5820001681562		ANTRC121		1.33E+05
5820001681562	6625002265679	ANTRC121	METER ARB	3.70E+04
5820001681562	6625002265680	ANTRC121	METER AUD	2.22E+04
5820001681562	6625002265681	ANTRC121	METER ARB	3.70E+04
5820001681563		ANTRC129 LP		1.11E+04
5820001681563	5930006551514	ANTRC129 LP	T.S.	5.55E+03
5820001681563	5930006551582	ANTRC129 LP	T.S.	5.55E+03
5820001681564		ANTRC129A LP		1.11E+04
5820001681564	5930006551514	ANTRC129A LP	T.S.	5.55E+03
5820001681564	5930006551582	ANTRC129A LP	T.S.	5.55E+03
5820001689544	5930006551582	ANTRC110 PCM	T.S.	5.55E+03
5820001897055	6625006688145	TSC 653A	METER VLT	1.15E+04
5820001927109		ANVRC 15X		6.66E+03
5820001927109	5355004049678	ANVRC 15X	KNOB	4.81E+03
5820001927109	6625002235244	ANVRC 15X	METER MLT	1.85E+03
5820001927110		ANVRC 14 12V		6.66E+03
5820001927110	5355004049678	ANVRC 14 12V	KNOB	4.81E+03
5820001927110	6625002235244	ANVRC 14 12V	METER MLT	1.85E+03
5820001927111		ANVRC 15		6.66E+03
5820001927111	5355004049678	ANVRC 15	KNOB	4.81E+03
5820001927111	6625002235244	ANVRC 15	METER MLT	1.85E+03
5820001927133		ANVRC 13		6.66E+03
5820001927133	5355004049678	ANVRC 13	KNOB	4.81E+03
5820001927133	6625002235244	ANVRC 13	METER MLT	1.85E+03
5820001927134		ANVRC 13X		6.66E+03
5820001927134	5355004049678	ANVRC 13X	KNOB	4.81E+03
5820001927134	6625002235244	ANVRC 13X	METER MLT	1.85E+03
5820001938402		ANVRC 10 24V		6.66E+03
5820001938402	5355004049678	ANVRC 10 24V	KNOB	4.81E+03
5820001938402	6625002235244	ANVRC 10 24V	METER MLT	1.85E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820001938406		ANVRC 13 24V		6.66E+03
5820001938406	5355004049678	ANVRC 13 24V	KNOB	4.81E+03
5820001938406	6625002235244	ANVRC 13 24V	METER MLT	1.85E+03
5820001938409		ANVRC 15 24V		6.66E+03
5820001938409	5355004049678	ANVRC 15 24V	KNOB	4.81E+03
5820001938409	6625002235244	ANVRC 15 24V	METER MLT	1.85E+03
5820001938410		ANVRC 16 24V		6.66E+03
5820001938410	5355004049678	ANVRC 16 24V	KNOB	4.81E+03
5820001938410	6625002235244	ANVRC 16 24V	METER MLT	1.85E+03
5820001938412		ANVRC 17 24V		6.66E+03
5820001938412	5355004049678	ANVRC 17 24V	KNOB	4.81E+03
5820001938412	6625002235244	ANVRC 17 24V	METER MLT	1.85E+03
5820001938420		ANVRC 18 24V		6.66E+03
5820001938420	5355004049678	ANVRC 18 24V	KNOB	4.81E+03
5820001938420	6625002235244	ANVRC 18 24V	METER MLT	1.85E+03
5820001938809		ANVRC 9		6.66E+03
5820001938809	5355004049678	ANVRC 9	KNOB	4.81E+03
5820001938809	6625002235244	ANVRC 9	METER MLT	1.85E+03
5820001938811		ANVRQ 3		1.22E+04
5820001938811	5355004049678	ANVRQ 3	KNOB	4.81E+03
5820001938811	6625002235244	ANVRQ 3	METER MLT	1.85E+03
5820001938811	6625005004589	ANVRQ 3	METER ARB	5.55E+03
5820001938830		ANVRQ 1X12V		1.22E+04
5820001938830	5355004049678	ANVRQ 1X12V	KNOB	4.81E+03
5820001938830	6625002235244	ANVRQ 1X12V	METER MLT	1.85E+03
5820001938830	6625005004589	ANVRQ 1X12V	METER ARB	5.55E+03
5820001938831		ANVRQ 3X		1.22E+04
5820001938831	5355004049678	ANVRQ 3X	KNOB	4.81E+03
5820001938831	6625002235244	ANVRQ 3X	METER MLT	1.85E+03
5820001938831	6625005004589	ANVRQ 3X	METER ARB	5.55E+03
5820001938838		ANVRQ 2		1.22E+04
5820001938838	5355004049678	ANVRQ 2	KNOB	4.81E+03
5820001938838	6625002235244	ANVRQ 2	METER MLT	1.85E+03
5820001938838	6625005004589	ANVRQ 2	METER ARB	5.55E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820001938839		ANVRQ 2X		1.22E+04
5820001938839	5355004049678	ANVRQ 2X	KNOB	4.81E+03
5820001938839	6625002235244	ANVRQ 2X	METER MLT	1.85E+03
5820001938839	6625005004589	ANVRQ 2X	METER ARB	5.55E+03
5820001938844		ANGRC 9		1.70E+04
5820001938844	5355004049678	ANGRC 9	KNOB	4.81E+03
5820001938844	5355006169659	ANGRC 9	KNOB	4.81E+03
5820001938844	6625002235244	ANGRC 9	METER MLT	1.85E+03
5820001938844	6625005004589	ANGRC 9	METER ARB	5.55E+03
5820001938845		ANGRC 9		1.70E+04
5820001938845	5355004049678	ANGRC 9	KNOB	4.81E+03
5820001938845	5355006169659	ANGRC 9	KNOB	4.81E+03
5820001938845	6625002235244	ANGRC 9	METER MLT	1.85E+03
5820001938845	6625005004589	ANGRC 9	METER ARB	5.55E+03
5820001961718		ANVRC 8 24V		6.66E+03
5820001961718	5355004049678	ANVRC 8 24V	KNOB	4.81E+03
5820001961718	6625002235244	ANVRC 8 24V	METER MLT	1.85E+03
5820001961719		ANVRC 8 12V		6.66E+03
5820001961719	5355004049678	ANVRC 8 12V	KNOB	4.81E+03
5820001961719	6625002235244	ANVRC 8 12V	METER MLT	1.85E+03
5820001961721		ANVRC 10		6.66E+03
5820001961721	5355004049678	ANVRC 10	KNOB	4.81E+03
5820001961721	6625002235244	ANVRC 10	METER MLT	1.85E+03
5820001969038		ANVRC 10X		6.66E+03
5820001969038	5355004049678	ANVRC 10X	KNOB	4.81E+03
5820001969038	6625002235244	ANVRC 10X	METER MLT	1.85E+03
5820001969039		ANVRC 9X12V		6.66E+03
5820001969039	5355004049678	ANVRC 9X12V	KNOB	4.81E+03
5820001969039	6625002235244	ANVRC 9X12V	METER MLT	1.85E+03
5820001976532		ANVRC 14		6.66E+03
5820001976532	5355004049678	ANVRC 14	KNOB	4.81E+03
5820001976532	6625002235244	ANVRC 14	METER MLT	1.85E+03
5820002207551		ANVRC 8		6.66E+03
5820002207551	5355004049678	ANVRC 8	KNOB	4.81E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820002207551	6625002235244	ANVRC 8	METER MLT	1.85E+03
5820002226404		ANVRQ 1		1.22E+04
5820002226404	5355004049678	ANVRQ 1	KNOB	4.81E+03
5820002226404	6625002235244	ANVRQ 1	METER MLT	1.85E+03
5820002226404	6625005004589	ANVRQ 1	METER ARB	5.55E+03
5820002226416		ANGRC 7		1.70E+04
5820002226416	5355004049678	ANGRC 7	KNOB	4.81E+03
5820002226416	5355006169659	ANGRC 7	KNOB	4.81E+03
5820002226416	6625002235244	ANGRC 7	METER MLT	1.85E+03
5820002226416	6625005004589	ANGRC 7	METER ARB	5.55E+03
5820002226417		ANGRC 6		1.70E+04
5820002226417	5355004049678	ANGRC 6	KNOB	4.81E+03
5820002226417	5355006169659	ANGRC 6	KNOB	4.81E+03
5820002226417	6625002235244	ANGRC 6	METER MLT	1.85E+03
5820002226417	6625005004589	ANGRC 6	METER ARB	5.55E+03
5820002237409		ANGRC 19		9.40E+04
5820002237409	5355001639955	ANGRC 19	KNOB	4.81E+03
5820002237409	5355001639955	ANGRC 19	KNOB	4.81E+03
5820002237409	6625005389700	ANGRC 19	METER AUD	3.70E+04
5820002237409	6625005690243	ANGRC 19	METER AMM	2.18E+04
5820002237409	6625006690769	ANGRC 19	METER AUD	2.55E+04
5820002237433		ANVRC 46		9.40E+04
5820002237433	5355001639955	ANVRC 46	KNOB	4.81E+03
5820002237433	5355001639955	ANVRC 46	KNOB	4.81E+03
5820002237433	6625005389700	ANVRC 46	METER AUD	3.70E+04
5820002237433	6625005690243	ANVRC 46	METER AMM	2.18E+04
5820002237433	6625006690769	ANVRC 46	METER AUD	2.55E+04
5820002237477		ANGRC 3 24V		1.70E+04
5820002237477	5355004049678	ANGRC 3 24V	KNOB	4.81E+03
5820002237477	5355006169659	ANGRC 3 24V	KNOB	4.81E+03
5820002237477	6625002235244	ANGRC 3 24V	METER MLT	1.85E+03
5820002237477	6625005004589	ANGRC 3 24V	METER ARB	5.55E+03
5820002237519		ANGRC 4 24V		1.70E+04
5820002237519	5355004049678	ANGRC 4 24V	KNOB	4.81E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820002237519	5355006169659	ANGRC 4 24V	KNOB	4.81E+03
5820002237519	6625002235244	ANGRC 4 24V	METER MLT	1.85E+03
5820002237519	6625005004589	ANGRC 4 24V	METER ARB	5.55E+03
5820002237520		ANGRC 5 24V		1.70E+04
5820002237520	5355004049678	ANGRC 5 24V	KNOB	4.81E+03
5820002237520	5355006169659	ANGRC 5 24V	KNOB	4.81E+03
5820002237520	6625002235244	ANGRC 5 24V	METER MLT	1.85E+03
5820002237520	6625005004589	ANGRC 5 24V	METER ARB	5.55E+03
5820002237544		ANGRC 6 24V		1.70E+04
5820002237544	5355004049678	ANGRC 6 24V	KNOB	4.81E+03
5820002237544	5355006169659	ANGRC 6 24V	KNOB	4.81E+03
5820002237544	6625002235244	ANGRC 6 24V	METER MLT	1.85E+03
5820002237544	6625005004589	ANGRC 6 24V	METER ARB	5.55E+03
5820002237545		ANGRC 7 24V		1.70E+04
5820002237545	5355004049678	ANGRC 7 24V	KNOB	4.81E+03
5820002237545	5355006169659	ANGRC 7 24V	KNOB	4.81E+03
5820002237545	6625002235244	ANGRC 7 24V	METER MLT	1.85E+03
5820002237545	6625005004589	ANGRC 7 24V	METER ARB	5.55E+03
5820002237546		ANGRC 8 24V		1.70E+04
5820002237546	5355004049678	ANGRC 8 24V	KNOB	4.81E+03
5820002237546	5355006169659	ANGRC 8 24V	KNOB	4.81E+03
5820002237546	6625002235244	ANGRC 8 24V	METER MLT	1.85E+03
5820002237546	6625005004589	ANGRC 8 24V	METER ARB	5.55E+03
5820002237548	6625002265679	ANGRC106A	METER ARB	3.70E+04
5820002237548	6625002265680	ANGRC106A	METER AUD	2.22E+04
5820002237548	6625002265680	ANGRC106A	METER AUD	2.22E+04
5820002237548	6625002265681	ANGRC106A	METER ARB	3.70E+04
5820002237551		ANVRC 8 24V		6.66E+03
5820002237551	5355004049678	ANVRC 8 24V	KNOB	4.81E+03
5820002237551	6625002235244	ANVRC 8 24V	METER MLT	1.85E+03
5820002237559		ANVRC 9 24V		6.66E+03
5820002237559	5355004049678	ANVRC 9 24V	KNOB	4.81E+03
5820002237559	6625002235244	ANVRC 9 24V	METER MLT	1.85E+03
5820002237560		ANVRC 14 24V		6.66E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820002237560	5355004049678	ANVRC 14 24V	KNOB	4.81E+03
5820002237560	6625002235244	ANVRC 14 24V	METER MLT	1.85E+03
5820002237563		ANVRC 21 24V		8.51E+03
5820002237563	5355004049678	ANVRC 21 24V	KNOB	4.81E+03
5820002237563	6625002235244	ANVRC 21 24V	METER MLT	1.85E+03
5820002237564		ANVRC 22 24V		6.66E+03
5820002237564	5355004049678	ANVRC 22 24V	KNOB	4.81E+03
5820002237564	6625002235244	ANVRC 22 24V	METER MLT	1.85E+03
5820002237565		ANVRC 35		1.22E+04
5820002237565	5355004049678	ANVRC 35	KNOB	4.81E+03
5820002237565	6625002235244	ANVRC 35	METER MLT	1.85E+03
5820002237565	6625005004589	ANVRC 35	METER ARB	5.55E+03
5820002237566		ANVRC 38		5.40E+04
5820002237566	5355001639955	ANVRC 38	KNOB	4.81E+03
5820002237566	6625002235244	ANVRC 38	METER MLT	1.85E+03
5820002237566	6625005690243	ANVRC 38	METER AMM	2.18E+04
5820002237566	6625006690769	ANVRC 38	METER AUD	2.55E+04
5820002237568		ANVRQ 1 24V		1.22E+04
5820002237568	5355004049678	ANVRQ 1 24V	KNOB	4.81E+03
5820002237568	6625002235244	ANVRQ 1 24V	METER MLT	1.85E+03
5820002237568	6625005004589	ANVRQ 1 24V	METER ARB	5.55E+03
5820002237615		ANVRQ 2 24V		1.22E+04
5820002237615	5355004049678	ANVRQ 2 24V	KNOB	4.81E+03
5820002237615	6625002235244	ANVRQ 2 24V	METER MLT	1.85E+03
5820002237615	6625005004589	ANVRQ 2 24V	METER ARB	5.55E+03
5820002237637		ANVRQ 3 24V		1.22E+04
5820002237637	5355004049678	ANVRQ 3 24V	KNOB	4.81E+03
5820002237637	6625002235244	ANVRQ 3 24V	METER MLT	1.85E+03
5820002237637	6625005004589	ANVRQ 3 24V	METER ARB	5.55E+03
5820002300445		ANGRC 8 12V		1.70E+04
5820002300445	5355004049678	ANGRC 8 12V	KNOB	4.81E+03
5820002300445	5355006169659	ANGRC 8 12V	KNOB	4.81E+03
5820002300445	6625002235244	ANGRC 8 12V	METER MLT	1.85E+03
5820002300445	6625005004589	ANGRC 8 12V	METER ARB	5.55E+03



**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820002300446		ANGRC 7		1.70E+04
5820002300446	5355004049678	ANGRC 7	KNOB	4.81E+03
5820002300446	5355006169659	ANGRC 7	KNOB	4.81E+03
5820002300446	6625002235244	ANGRC 7	METER MLT	1.85E+03
5820002300446	6625005004589	ANGRC 7	METER ARB	5.55E+03
5820002300448		ANGRC 6 12V		1.70E+04
5820002300448	5355004049678	ANGRC 6 12V	KNOB	4.81E+03
5820002300448	5355006169659	ANGRC 6 12V	KNOB	4.81E+03
5820002300448	6625002235244	ANGRC 6 12V	METER MLT	1.85E+03
5820002300448	6625005004589	ANGRC 6 12V	METER ARB	5.55E+03
5820002300449		ANGRC 5		1.70E+04
5820002300449	5355004049678	ANGRC 5	KNOB	4.81E+03
5820002300449	5355006169659	ANGRC 5	KNOB	4.81E+03
5820002300449	6625002235244	ANGRC 5	METER MLT	1.85E+03
5820002300449	6625005004589	ANGRC 5	METER ARB	5.55E+03
5820002300454		ANGRC 8		1.70E+04
5820002300454	5355004049678	ANGRC 8	KNOB	4.81E+03
5820002300454	5355006169659	ANGRC 8	KNOB	4.81E+03
5820002300454	6625002235244	ANGRC 8	METER MLT	1.85E+03
5820002300454	6625005004589	ANGRC 8	METER ARB	5.55E+03
5820002300459		ANGRC 3 12V		1.70E+04
5820002300459	5355004049678	ANGRC 3 12V	KNOB	4.81E+03
5820002300459	5355006169659	ANGRC 3 12V	KNOB	4.81E+03
5820002300459	6625002235244	ANGRC 3 12V	METER MLT	1.85E+03
5820002300459	6625005004589	ANGRC 3 12V	METER ARB	5.55E+03
5820002300460		ANGRC 5 12V		1.70E+04
5820002300460	5355004049678	ANGRC 5 12V	KNOB	4.81E+03
5820002300460	5355006169659	ANGRC 5 12V	KNOB	4.81E+03
5820002300460	6625002235244	ANGRC 5 12V	METER MLT	1.85E+03
5820002300460	6625005004589	ANGRC 5 12V	METER ARB	5.55E+03
5820002346396		ANVRC 17 12V		6.66E+03
5820002346396	5355004049678	ANVRC 17 12V	KNOB	4.81E+03
5820002346396	6625002235244	ANVRC 17 12V	METER MLT	1.85E+03
5820002346397		ANVRC 18X12V		6.66E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820002346397	5355004049678	ANVRC 18X12V	KNOB	4.81E+03
5820002346397	6625002235244	ANVRC 18X12V	METER MLT	1.85E+03
5820002346398		ANVRC 16 12V		6.66E+03
5820002346398	5355004049678	ANVRC 16 12V	KNOB	4.81E+03
5820002346398	6625002235244	ANVRC 16 12V	METER MLT	1.85E+03
5820002346399		ANVRC 18		6.66E+03
5820002346399	5355004049678	ANVRC 18	KNOB	4.81E+03
5820002346399	6625002235244	ANVRC 18	METER MLT	1.85E+03
5820002346869		ANVRC 16		6.66E+03
5820002346869	5355004049678	ANVRC 16	KNOB	4.81E+03
5820002346869	6625002235244	ANVRC 16	METER MLT	1.85E+03
5820002436417		ANGRC 4 12V		1.70E+04
5820002436417	5355004049678	ANGRC 4 12V	KNOB	4.81E+03
5820002436417	5355006169659	ANGRC 4 12V	KNOB	4.81E+03
5820002436417	6625002235244	ANGRC 4 12V	METER MLT	1.85E+03
5820002436417	6625005004589	ANGRC 4 12V	METER ARB	5.55E+03
5820002436418		ANGRC 4		1.70E+04
5820002436418	5355004049678	ANGRC 4	KNOB	4.81E+03
5820002436418	5355006169659	ANGRC 4	KNOB	4.81E+03
5820002436418	6625002235244	ANGRC 4	METER MLT	1.85E+03
5820002436418	6625005004589	ANGRC 4	METER ARB	5.55E+03
5820002536131		ANVRC 16		6.66E+03
5820002536131	5355004049678	ANVRC 16	KNOB	4.81E+03
5820002536131	6625002235244	ANVRC 16	METER MLT	1.85E+03
5820002635405		ANGRC 9		1.70E+04
5820002635405	5355004049678	ANGRC 9	KNOB	4.81E+03
5820002635405	5355006169659	ANGRC 9	KNOB	4.81E+03
5820002635405	6625002235244	ANGRC 9	METER MLT	1.85E+03
5820002635405	6625005004589	ANGRC 9	METER ARB	5.55E+03
5820003093221		ANGLQ 2 LP		4.22E+04
5820003093221	6625002235244	ANGLQ 2 LP	METER MLT	1.85E+03
5820003093221	6625006690769	ANGLQ 2 LP	METER AUD	2.55E+04
5820003093221	6625006690770	ANGLQ 2 LP	METER AUD	1.48E+04
5820003513384		ANVRC 17		6.66E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820003513384	5355004049678	ANVRC 17	KNOB	4.81E+03
5820003513384	6625002235244	ANVRC 17	METER MLT	1.85E+03
5820004022263		ANGRC106	RADIO SET	1.55E+05
5820004022263	6625002265679	ANGRC106	METER ARB	3.70E+04
5820004022263	6625002265680	ANGRC106	METER AUD	2.22E+04
5820004022263	6625002265680	ANGRC106	METER AUD	2.22E+04
5820004022263	6625002265681	ANGRC106	METER ARB	3.70E+04
5820004022265		ANVRC 55		5.22E+04
5820004022265	5355001639955	ANVRC 55	KNOB	4.81E+03
5820004022265	6625005690243	ANVRC 55	METER AMM	2.18E+04
5820004022265	6625006690769	ANVRC 55	METER AUD	2.55E+04
5820004641616	6625005553095	ANTRC133A	METER VLT	2.04E+04
5820005004378		PP 685		1.27E+05
5820005004378	5925001752580	PP 685	C.B.	3.70E+04
5820005004378	5925002991677	PP 685	C.B.	3.70E+04
5820005004378	5925008890768	PP 685	C.B.	3.70E+04
5820005004378	6625005733786	PP 685	METER VLT	8.88E+03
5820005004378	6625006689315	PP 685	METER VLT	7.40E+03
5820005010495	6625007528075	ANTRC 1	METER AMM	1.48E+04
5820005031092		OA 483		2.11E+04
5820005031092	6625005389000	OA 483	METER AMM	1.15E+04
5820005031092	6625006685134	OA 483	METER AMM	9.62E+03
5820005031095		ANTRC 35		1.57E+05
5820005031095	5925001752580	ANTRC 35	C.B.	3.70E+04
5820005031095	5925008890768	ANTRC 35	C.B.	3.70E+04
5820005031095	5930006157880	ANTRC 35	T.S.	5.55E+03
5820005031095	6625005389000	ANTRC 35	METER AMM	1.15E+04
5820005031095	6625005733786	ANTRC 35	METER VLT	8.88E+03
5820005031095	6625006685134	ANTRC 35	METER AMM	9.62E+03
5820005031095	6625006689315	ANTRC 35	METER VLT	7.40E+03
5820005031095	6625006690261	ANTRC 35	METER MLT	2.29E+04
5820005031113		ANGLQ 2		4.22E+04
5820005031113	6625002235244	ANGLQ 2	METER MLT	1.85E+03
5820005031113	6625006690769	ANGLQ 2	METER AUD	2.55E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820005031113	6625006690770	ANGLQ 2	METER AUD	1.48E+04
5820005031133		ANTRC 24		1.57E+05
5820005031133	5925001752580	ANTRC 24	C.B.	3.70E+04
5820005031133	5925008890768	ANTRC 24	C.B.	3.70E+04
5820005031133	5930006157880	ANTRC 24	T.S.	5.55E+03
5820005031133	6625005389000	ANTRC 24	METER AMM	1.15E+04
5820005031133	6625005733786	ANTRC 24	METER VLT	8.88E+03
5820005031133	6625006685134	ANTRC 24	METER AMM	9.62E+03
5820005031133	6625006689315	ANTRC 24	METER VLT	7.40E+03
5820005031133	6625006690261	ANTRC 24	METER MLT	2.29E+04
5820005031242		R 390 /URR		4.03E+04
5820005031242	6625006690769	R 390 /URR	METER AUD	2.55E+04
5820005031242	6625006690770	R 390 /URR	METER AUD	1.48E+04
5820005031250		R 392/URR		4.18E+04
5820005031250	5355001639955	R 392/URR	KNOB	4.81E+03
5820005031250	6625005389700	R 392/URR	METER AUD	3.70E+04
5820005031256		R 391		4.03E+04
5820005031256	6625006690769	R 391	METER AUD	2.55E+04
5820005031256	6625006690770	R 391	METER AUD	1.48E+04
5820005031403	6625002235244	R 520	METER MLT	1.85E+03
5820005031417	6625006690769	R 389 /URR	METER AUD	2.55E+04
5820005031496		ANFRR 34		4.03E+04
5820005031496	6625006690769	ANFRR 34	METER AUD	2.55E+04
5820005031496	6625006690770	ANFRR 34	METER AUD	1.48E+04
5820005031497		ANFRR 38		8.07E+04
5820005031497	6625006690769	ANFRR 38	METER AUD	2.55E+04
5820005031497	6625006690770	ANFRR 38	METER AUD	1.48E+04
5820005031500		ANFRR 45		4.03E+04
5820005031500	6625006690769	ANFRR 45	METER AUD	2.55E+04
5820005031500	6625006690770	ANFRR 45	METER AUD	1.48E+04
5820005031505	6625002235244	RT 68	METER MLT	1.85E+03
5820005031507	6625002235244	RT 67	METER MLT	1.85E+03
5820005031508	6625002235244	RT 66	METER MLT	1.85E+03
5820005031513		ANFRR 41		1.26E+05

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820005031513	6625006690769	ANFRR 41	METER AUD	2.55E+04
5820005031513	6625006690770	ANFRR 41	METER AUD	1.48E+04
5820005031513	6625007527960	ANFRR 41	METER ARB	8.14E+03
5820005031513	6625008274651	ANFRR 41	METER AMM	3.70E+04
5820005031515	5355006169659	ANFRR 39	KNOB	4.81E+03
5820005031518	5355006169659	RT 70	KNOB	4.81E+03
5820005032578		ANTRC 35		1.57E+05
5820005032578	5925001752580	ANTRC 35	C.B.	3.70E+04
5820005032578	5925008890768	ANTRC 35	C.B.	3.70E+04
5820005032578	5930006157880	ANTRC 35	T.S.	5.55E+03
5820005032578	6625005389000	ANTRC 35	METER AMM	1.15E+04
5820005032578	6625005733786	ANTRC 35	METER VLT	8.88E+03
5820005032578	6625006685134	ANTRC 35	METER AMM	9.62E+03
5820005032578	6625006689315	ANTRC 35	METER VLT	7.40E+03
5820005032578	6625006690261	ANTRC 35	METER MLT	2.29E+04
5820005032591		ANVRC 20		6.66E+03
5820005032591	5355004049678	ANVRC 20	KNOB	4.81E+03
5820005032591	6625002235244	ANVRC 20	METER MLT	1.85E+03
5820005032594		CV157		4.51E+04
5820005032594	6625007527960	CV157	METER ARB	8.14E+03
5820005032594	6625008274651	CV157	METER AMM	3.70E+04
5820005033295		T 302		1.18E+11
5820005033295	6625005389000	T 302	METER AMM	1.15E+04
5820005033295	6625006685134	T 302	METER AMM	9.62E+03
5820005033428		T 195		5.22E+04
5820005033428	5355001639955	T 195	KNOB	4.81E+03
5820005033428	6625005690243	T 195	METER AMM	2.18E+04
5820005033428	6625006690769	T 195	METER AUD	2.55E+04
5820005033960		R 417		4.00E+04
5820005033960	5930006157880	R 417	T.S.	5.55E+03
5820005033960	6625005389000	R 417	METER AMM	1.15E+04
5820005033960	6625006690261	R 417	METER MLT	2.29E+04
5820005118151		ANURR 29X		2.65E+05
5820005118151	5960002643004	ANURR 29X	ET SHIELD	3.70E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820005118151	5960006244718	ANURR 29X	E.T.	2.22E+05
5820005118151	6625005004589	ANURR 29X	METER ARB	5.55E+03
5820005193939		R 660/URR		2.59E+05
5820005193939	5960002643004	R 660/URR	ET SHIELD	3.70E+04
5820005193939	5960006244718	R 660/URR	E.T.	2.22E+05
5820005194101		ANVRC 22		6.66E+03
5820005194101	5355004049678	ANVRC 22	KNOB	4.81E+03
5820005194101	6625002235244	ANVRC 22	METER MLT	1.85E+03
5820005194102		ANVRC 21		8.51E+03
5820005194102	5355004049678	ANVRC 21	KNOB	4.81E+03
5820005194102	6625002235244	ANVRC 21	METER MLT	1.85E+03
5820005194104		ANVRC 20		6.66E+03
5820005194104	5355004049678	ANVRC 20	KNOB	4.81E+03
5820005194104	6625002235244	ANVRC 20	METER MLT	1.85E+03
5820005194105		ANVRC 20		6.66E+03
5820005194105	5355004049678	ANVRC 20	KNOB	4.81E+03
5820005194105	6625002235244	ANVRC 20	METER MLT	1.85E+03
5820005323984		ANVRC 17		6.66E+03
5820005323984	5355004049678	ANVRC 17	KNOB	4.81E+03
5820005323984	6625002235244	ANVRC 17	METER MLT	1.85E+03
5820005323985		ANVRC 22		6.66E+03
5820005323985	5355004049678	ANVRC 22	KNOB	4.81E+03
5820005323985	6625002235244	ANVRC 22	METER MLT	1.85E+03
5820005323987		ANVRQ 1		1.22E+04
5820005323987	5355004049678	ANVRQ 1	KNOB	4.81E+03
5820005323987	6625002235244	ANVRQ 1	METER MLT	1.85E+03
5820005323987	6625005004589	ANVRQ 1	METER ARB	5.55E+03
5820005323988		ANTRC 36		1.57E+05
5820005323988	5925001752580	ANTRC 36	C.B.	3.70E+04
5820005323988	5925008890768	ANTRC 36	C.B.	3.70E+04
5820005323988	5930006157880	ANTRC 36	T.S.	5.55E+03
5820005323988	6625005389000	ANTRC 36	METER AMM	1.15E+04
5820005323988	6625005733786	ANTRC 36	METER VLT	8.88E+03
5820005323988	6625006685134	ANTRC 36	METER AMM	9.62E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820005323988	6625006689315	ANTRC 36	METER VLT	7.40E+03
5820005323988	6625006690261	ANTRC 36	METER MLT	2.29E+04
5820005323989		ANTRC 24 LP		1.57E+05
5820005323989	5925001752580	ANTRC 24 LP	C.B.	3.70E+04
5820005323989	5925008890768	ANTRC 24 LP	C.B.	3.70E+04
5820005323989	5930006157880	ANTRC 24 LP	T.S.	5.55E+03
5820005323989	6625005389000	ANTRC 24 LP	METER AMM	1.15E+04
5820005323989	6625005733786	ANTRC 24 LP	METER VLT	8.88E+03
5820005323989	6625006685134	ANTRC 24 LP	METER AMM	9.62E+03
5820005323989	6625006689315	ANTRC 24 LP	METER VLT	7.40E+03
5820005323989	6625006690261	ANTRC 24 LP	METER MLT	2.29E+04
5820005374004		ANVRC 21		8.51E+03
5820005374004	5355004049678	ANVRC 21	KNOB	4.81E+03
5820005374004	6625002235244	ANVRC 21	METER MLT	1.85E+03
5820005387555		R 390A/URR		4.03E+04
5820005387555	6625006690769	R 390A/URR	METER AUD	2.55E+04
5820005387555	6625006690770	R 390A/URR	METER AUD	1.48E+04
5820005427205		ANURR 29		2.65E+05
5820005427205	5960002643004	ANURR 29	ET SHIELD	3.70E+04
5820005427205	5960006244718	ANURR 29	E.T.	2.22E+05
5820005427205	6625005004589	ANURR 29	METER ARB	5.55E+03
5820005427297		ANMRC 54 V		1.57E+05
5820005427297	5925001752580	ANMRC 54 V	C.B.	3.70E+04
5820005427297	5925008890768	ANMRC 54 V	C.B.	3.70E+04
5820005427297	5930006157880	ANMRC 54 V	T.S.	5.55E+03
5820005427297	6625005389000	ANMRC 54 V	METER AMM	1.15E+04
5820005427297	6625005733786	ANMRC 54 V	METER VLT	8.88E+03
5820005427297	6625006685134	ANMRC 54 V	METER AMM	9.62E+03
5820005427297	6625006689315	ANMRC 54 V	METER VLT	7.40E+03
5820005427297	6625006690261	ANMRC 54 V	METER MLT	2.29E+04
5820005427298		ANMRC 69 A		1.57E+05
5820005427298	5925001752580	ANMRC 69 A	C.B.	3.70E+04
5820005427298	5925008890768	ANMRC 69 A	C.B.	3.70E+04
5820005427298	5930006157880	ANMRC 69 A	T.S.	5.55E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820005427298	6625005389000	ANMRC 69 A	METER AMM	1.15E+04
5820005427298	6625005733786	ANMRC 69 A	METER VLT	8.88E+03
5820005427298	6625006685134	ANMRC 69 A	METER AMM	9.62E+03
5820005427298	6625006689315	ANMRC 69 A	METER VLT	7.40E+03
5820005427298	6625006690261	ANMRC 69 A	METER MLT	2.29E+04
5820005430057		ANTRC 35		1.57E+05
5820005430057	5925001752580	ANTRC 35	C.B.	3.70E+04
5820005430057	5925008890768	ANTRC 35	C.B.	3.70E+04
5820005430057	5930006157880	ANTRC 35	T.S.	5.55E+03
5820005430057	6625005389000	ANTRC 35	METER AMM	1.15E+04
5820005430057	6625005733786	ANTRC 35	METER VLT	8.88E+03
5820005430057	6625006685134	ANTRC 35	METER AMM	9.62E+03
5820005430057	6625006689315	ANTRC 35	METER VLT	7.40E+03
5820005430057	6625006690261	ANTRC 35	METER MLT	2.29E+04
5820005430078		ANGRC 41 LP		4.03E+04
5820005430078	6625006690769	ANGRC 41 LP	METER AUD	2.55E+04
5820005430078	6625006690770	ANGRC 41 LP	METER AUD	1.48E+04
5820005430116		OA 1387		1.57E+05
5820005430116	5925001752580	OA 1387	C.B.	3.70E+04
5820005430116	5925008890768	OA 1387	C.B.	3.70E+04
5820005430116	5930006157880	OA 1387	T.S.	5.55E+03
5820005430116	5930006157880	OA 1387	T.S.	5.55E+03
5820005430116	6625005389000	OA 1387	METER AMM	1.15E+04
5820005430116	6625005389000	OA 1387	METER AMM	1.15E+04
5820005430116	6625005733786	OA 1387	METER VLT	8.88E+03
5820005430116	6625006685134	OA 1387	METER AMM	9.62E+03
5820005430116	6625006689315	OA 1387	METER VLT	7.40E+03
5820005430116	6625006690261	OA 1387	METER MLT	2.29E+04
5820005431514	6625006182068	R 744	METER ARB	1.11E+03
5820005431784		ANGRC 3		1.70E+04
5820005431784	5355004049678	ANGRC 3	KNOB	4.81E+03
5820005431784	5355006169659	ANGRC 3	KNOB	4.81E+03
5820005431784	6625002235244	ANGRC 3	METER MLT	1.85E+03
5820005431784	6625005004589	ANGRC 3	METER ARB	5.55E+03



**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820005457307		ANGRC 3		1.70E+04
5820005457307	5355004049678	ANGRC 3	KNOB	4.81E+03
5820005457307	5355006169659	ANGRC 3	KNOB	4.81E+03
5820005457307	6625002235244	ANGRC 3	METER MLT	1.85E+03
5820005457307	6625005004589	ANGRC 3	METER ARB	5.55E+03
5820005457312		ANGRC 4		1.70E+04
5820005457312	5355004049678	ANGRC 4	KNOB	4.81E+03
5820005457312	5355006169659	ANGRC 4	KNOB	4.81E+03
5820005457312	6625002235244	ANGRC 4	METER MLT	1.85E+03
5820005457312	6625005004589	ANGRC 4	METER ARB	5.55E+03
5820005457314		ANGRC 7		1.70E+04
5820005457314	5355004049678	ANGRC 7	KNOB	4.81E+03
5820005457314	5355006169659	ANGRC 7	KNOB	4.81E+03
5820005457314	6625002235244	ANGRC 7	METER MLT	1.85E+03
5820005457314	6625005004589	ANGRC 7	METER ARB	5.55E+03
5820005457325		ANFRR 40		8.55E+04
5820005457325	6625006690769	ANFRR 40	METER AUD	2.55E+04
5820005457325	6625006690770	ANFRR 40	METER AUD	1.48E+04
5820005457325	6625007527960	ANFRR 40	METER ARB	8.14E+03
5820005457325	6625008274651	ANFRR 40	METER AMM	3.70E+04
5820005690031		ANTRC 36		1.57E+05
5820005690031	5925001752580	ANTRC 36	C.B.	3.70E+04
5820005690031	5925008890768	ANTRC 36	C.B.	3.70E+04
5820005690031	5930006157880	ANTRC 36	T.S.	5.55E+03
5820005690031	6625005389000	ANTRC 36	METER AMM	1.15E+04
5820005690031	6625005733786	ANTRC 36	METER VLT	8.88E+03
5820005690031	6625006685134	ANTRC 36	METER AMM	9.62E+03
5820005690031	6625006689315	ANTRC 36	METER VLT	7.40E+03
5820005690031	6625006690261	ANTRC 36	METER MLT	2.29E+04
5820005812104		ANGRC 75		1.57E+05
5820005812104	5925001752580	ANGRC 75	C.B.	3.70E+04
5820005812104	5925008890768	ANGRC 75	C.B.	3.70E+04
5820005812104	5930006157880	ANGRC 75	T.S.	5.55E+03
5820005812104	6625005389000	ANGRC 75	METER AMM	1.15E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820005812104	6625005733786	ANGRC 75	METER VLT	8.88E+03
5820005812104	6625006685134	ANGRC 75	METER AMM	9.62E+03
5820005812104	6625006689315	ANGRC 75	METER VLT	7.40E+03
5820005812104	6625006690261	ANGRC 75	METER MLT	2.29E+04
5820005812105		ANGRC 78		1.57E+05
5820005812105	5925001752580	ANGRC 78	C.B.	3.70E+04
5820005812105	5925008890768	ANGRC 78	C.B.	3.70E+04
5820005812105	5930006157880	ANGRC 78	T.S.	5.55E+03
5820005812105	6625005389000	ANGRC 78	METER AMM	1.15E+04
5820005812105	6625005733786	ANGRC 78	METER VLT	8.88E+03
5820005812105	6625006685134	ANGRC 78	METER AMM	9.62E+03
5820005812105	6625006689315	ANGRC 78	METER VLT	7.40E+03
5820005812105	6625006690261	ANGRC 78	METER MLT	2.29E+04
5820006065768		ANVRC 35		1.22E+04
5820006065768	5355004049678	ANVRC 35	KNOB	4.81E+03
5820006065768	6625002235244	ANVRC 35	METER MLT	1.85E+03
5820006065768	6625005004589	ANVRC 35	METER ARB	5.55E+03
5820006428144		R 220 /URR		2.59E+05
5820006428144	5960002643004	R 220 /URR	ET SHIELD	3.70E+04
5820006650944	6625005004589	C 435	METER ARB	5.55E+03
5820006652455	6625005389575	R 19 A	METER AMM	9.62E+03
5820006652466	6625005389575	R 19 B	METER AMM	9.62E+03
5820006698306	6625005389575	R 19	METER AMM	9.62E+03
5820006819531		ANVRC 38		5.40E+04
5820006819531	5355001639955	ANVRC 38	KNOB	4.81E+03
5820006819531	6625002235244	ANVRC 38	METER MLT	1.85E+03
5820006819531	6625005690243	ANVRC 38	METER AMM	2.18E+04
5820006819531	6625006690769	ANVRC 38	METER AUD	2.55E+04
5820006993245		ANGRC 41		4.03E+04
5820006993245	6625006690769	ANGRC 41	METER AUD	2.55E+04
5820006993245	6625006690770	ANGRC 41	METER AUD	1.48E+04
5820007765406		ANTRA 25		1.57E+05
5820007765406	5925001752580	ANTRA 25	C.B.	3.70E+04
5820007765406	5925008890768	ANTRA 25	C.B.	3.70E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820007765406	5930006157880	ANTRA 25	T.S.	5.55E+03
5820007765406	6625005389000	ANTRA 25	METER AMM	1.15E+04
5820007765406	6625005733786	ANTRA 25	METER VLT	8.88E+03
5820007765406	6625006685134	ANTRA 25	METER AMM	9.62E+03
5820007765406	6625006689315	ANTRA 25	METER VLT	7.40E+03
5820007765406	6625006690261	ANTRA 25	METER MLT	2.29E+04
5820007885267	5930006551582	ANMRC103 LP	T.S.	5.55E+03
5820007888543		ANTRR 18		4.03E+04
5820007888543	6625006690769	ANTRR 18	METER AUD	2.55E+04
5820007888543	6625006690770	ANTRR 18	METER AUD	1.48E+04
5820008569911		ANTRA 25B		1.57E+05
5820008569911	5925001752580	ANTRA 25B	C.B.	3.70E+04
5820008569911	5925008890768	ANTRA 25B	C.B.	3.70E+04
5820008569911	5930006157880	ANTRA 25B	T.S.	5.55E+03
5820008569911	6625005389000	ANTRA 25B	METER AMM	1.15E+04
5820008569911	6625005733786	ANTRA 25B	METER VLT	8.88E+03
5820008569911	6625006685134	ANTRA 25B	METER AMM	9.62E+03
5820008569911	6625006689315	ANTRA 25B	METER VLT	7.40E+03
5820008569911	6625006690261	ANTRA 25B	METER MLT	2.29E+04
5820008688154		ANTRC112		1.70E+05
5820008688154	6625002265679	ANTRC112	METER ARB	3.70E+04
5820008688154	6625002265680	ANTRC112	METER AUD	2.22E+04
5820008688154	6625002265681	ANTRC112	METER ARB	3.70E+04
5820008688196		ANTRC121		1.33E+05
5820008688196	6625002265679	ANTRC121	METER ARB	3.70E+04
5820008688196	6625002265680	ANTRC121	METER AUD	2.22E+04
5820008688196	6625002265681	ANTRC121	METER ARB	3.70E+04
5820008688208	5930006551582	ANTRC110 WPC	T.S.	5.55E+03
5820008688209	5930006551582	ANTRC109V	T.S.	5.55E+03
5820008692373	5930006551582	ANTRC108V	T.S.	5.55E+03
5820008788634	5930006551582	ANGRC 50AV10	T.S.	5.55E+03
5820008788635	5930006551582	ANGRC 50A V9	T.S.	5.55E+03
5820008890857	5930006551514	PP2054	T.S.	5.55E+03
5820008893884		ANMRC 69 LP		1.57E+05

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820008893884	5925001752580	ANMRC 69 LP	C.B.	3.70E+04
5820008893884	5925008890768	ANMRC 69 LP	C.B.	3.70E+04
5820008893884	5930006157880	ANMRC 69 LP	T.S.	5.55E+03
5820008893884	6625005389000	ANMRC 69 LP	METER AMM	1.15E+04
5820008893884	6625005733786	ANMRC 69 LP	METER VLT	8.88E+03
5820008893884	6625006685134	ANMRC 69 LP	METER AMM	9.62E+03
5820008893884	6625006689315	ANMRC 69 LP	METER VLT	7.40E+03
5820008893884	6625006690261	ANMRC 69 LP	METER MLT	2.29E+04
5820008920698		OA 1387		1.57E+05
5820008920698	5925001752580	OA 1387	C.B.	3.70E+04
5820008920698	5925008890768	OA 1387	C.B.	3.70E+04
5820008920698	5930006157880	OA 1387	T.S.	5.55E+03
5820008920698	5930006157880	OA 1387	T.S.	5.55E+03
5820008920698	6625005389000	OA 1387	METER AMM	1.15E+04
5820008920698	6625005389000	OA 1387	METER AMM	1.15E+04
5820008920698	6625005733786	OA 1387	METER VLT	8.88E+03
5820008920698	6625006685134	OA 1387	METER AMM	9.62E+03
5820008920698	6625006689315	OA 1387	METER VLT	7.40E+03
5820008920698	6625006690261	OA 1387	METER MLT	2.29E+04
5820008920871		ANGRC 46		1.16E+05
5820008920871	5355001639955	ANGRC 46	KNOB	4.81E+03
5820008920871	5355001639955	ANGRC 46	KNOB	4.81E+03
5820008920871	5355005520451	ANGRC 46	KNOB	4.81E+03
5820008920871	6625005389700	ANGRC 46	METER AUD	3.70E+04
5820008920871	6625005690243	ANGRC 46	METER AMM	2.18E+04
5820008920871	6625005801901	ANGRC 46	METER VLT	1.04E+04
5820008920871	6625005809579	ANGRC 46	METER AMM	1.04E+04
5820008920871	6625006690769	ANGRC 46	METER AUD	2.55E+04
5820008920881		ANGRC109		1.92E+05
5820008920881	6625002265679	ANGRC109	METER ARB	3.70E+04
5820008920881	6625002265680	ANGRC109	METER AUD	2.22E+04
5820008920881	6625002265680	ANGRC109	METER AUD	2.22E+04
5820008920881	6625002265681	ANGRC109	METER ARB	3.70E+04
5820008920881	6625002571103	ANGRC109	METER ARB	3.70E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820008920881	6625009264412	ANGRC109	METER AMM	3.70E+04
5820008923470		ANTRC 80		6.11E+05
5820008923470	6605002378215	ANTRC 80	COMPASS	5.55E+05
5820008923470	6610008398638	ANTRC 80	INDICATOR	5.55E+04
5820008923476		ANMRT 9		4.03E+04
5820008923476	6625006690769	ANMRT 9	METER AUD	2.55E+04
5820008923476	6625006690770	ANMRT 9	METER AUD	1.48E+04
5820008923479		ANMRR 8		4.03E+04
5820008923479	6625006690769	ANMRR 8	METER AUD	2.55E+04
5820008923479	6625006690770	ANMRR 8	METER AUD	1.48E+04
5820008923493		ANMRC 73 V		1.57E+05
5820008923493	5925001752580	ANMRC 73 V	C.B.	3.70E+04
5820008923493	5925008890768	ANMRC 73 V	C.B.	3.70E+04
5820008923493	5930006157880	ANMRC 73 V	T.S.	5.55E+03
5820008923493	6625005389000	ANMRC 73 V	METER AMM	1.15E+04
5820008923493	6625005733786	ANMRC 73 V	METER VLT	8.88E+03
5820008923493	6625006685134	ANMRC 73 V	METER AMM	9.62E+03
5820008923493	6625006689315	ANMRC 73 V	METER VLT	7.40E+03
5820008923493	6625006690261	ANMRC 73 V	METER MLT	2.29E+04
5820008923748		ANTRC 90		6.11E+05
5820008923748	6605002378215	ANTRC 90	COMPASS	5.55E+05
5820008923748	6610008398638	ANTRC 90	INDICATOR	5.55E+04
5820008923851	5930006551582	ANGRC 50 V1	T.S.	5.55E+03
5820008923852	5930006551582	ANGRC 50 V2	T.S.	5.55E+03
5820008923853	5930006551582	ANGRC 50 V3	T.S.	5.55E+03
5820008923854	5930006551582	ANGRC 50 V4	T.S.	5.55E+03
5820008923855	5930006551582	ANGRC 50 V5	T.S.	5.55E+03
5820009260180	6625006690769	R 725	METER AUD	2.55E+04
5820009267274	5930006551582	ANTRC110 FDM	T.S.	5.55E+03
5820009303598	6625005553095	ANTRC133	METER VLT	2.04E+04
5820009336189	5930006551582	ANGRC 50A V5	T.S.	5.55E+03
5820009336190	5930006551582	ANGRC 50A V4	T.S.	5.55E+03
5820009336191	5930006551582	ANGRC 50A V3	T.S.	5.55E+03
5820009336192	5930006551582	ANGRC 50A V2	T.S.	5.55E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820009336193	5930006551582	ANGRC 50A V1	T.S.	5.55E+03
5820009350033	6625002265680	RT 834	METER AUD	2.22E+04
5820009350089	5930006551582	ANGRC 50A V8	T.S.	5.55E+03
5820009350132		ANTRC 95		4.03E+04
5820009350132	6625006690769	ANTRC 95	METER AUD	2.55E+04
5820009350132	6625006690770	ANTRC 95	METER AUD	1.48E+04
5820009350146		ANTRC 95		4.03E+04
5820009350146	6625006690769	ANTRC 95	METER AUD	2.55E+04
5820009350146	6625006690770	ANTRC 95	METER AUD	1.48E+04
5820009365480	5930006551582	ANGRC 50A V6	T.S.	5.55E+03
5820009365481	5930006551582	ANGRC 50A V7	T.S.	5.55E+03
5820009380225		ANTRC 80A LP		6.11E+05
5820009380225	6605002378215	ANTRC 80A LP	COMPASS	5.55E+05
5820009380225	6610008398638	ANTRC 80A LP	INDICATOR	5.55E+04
5820009380226		ANTRC 80B LP		6.11E+05
5820009380226	6605002378215	ANTRC 80B LP	COMPASS	5.55E+05
5820009380226	6610008398638	ANTRC 80B LP	INDICATOR	5.55E+04
5820009436514	6625002235244	ANGRC 39	METER MLT	1.85E+03
5820009655480	5930006551582	ANGRC 50	T.S.	5.55E+03
5820009730120		ANVRC 55		5.22E+04
5820009730120	5355001639955	ANVRC 55	KNOB	4.81E+03
5820009730120	6625005690243	ANVRC 55	METER AMM	2.18E+04
5820009730120	6625006690769	ANVRC 55	METER AUD	2.55E+04
5820009991796		ANMRC 54		1.57E+05
5820009991796	5925001752580	ANMRC 54	C.B.	3.70E+04
5820009991796	5925008890768	ANMRC 54	C.B.	3.70E+04
5820009991796	5930006157880	ANMRC 54	T.S.	5.55E+03
5820009991796	6625005389000	ANMRC 54	METER AMM	1.15E+04
5820009991796	6625005733786	ANMRC 54	METER VLT	8.88E+03
5820009991796	6625006685134	ANMRC 54	METER AMM	9.62E+03
5820009991796	6625006689315	ANMRC 54	METER VLT	7.40E+03
5820009991796	6625006690261	ANMRC 54	METER MLT	2.29E+04
5820009996091		ANMRT 9		4.03E+04
5820009996091	6625006690769	ANMRT 9	METER AUD	2.55E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5820009996091	6625006690770	ANMRT 9	METER AUD	1.48E+04
5820009996093		ANMRR 8 LP		4.03E+04
5820009996093	6625006690769	ANMRR 8 LP	METER AUD	2.55E+04
5820009996093	6625006690770	ANMRR 8 LP	METER AUD	1.48E+04
5821009014327	6610008398638	MK 733	INDICATOR	5.55E+04
5821009350058	6610008398638	MK1035	INDICATOR	5.55E+04
5821009374686	6610008398638	ANARC131	INDICATOR	5.55E+04
5825000140184	6625006182068	OA 1451A/PRR	METER ARB	1.11E+03
5825000698763	6625006690769	ANTRD 15	METER MLT	2.55E+04
5825002792930		NTN	C.B.	3.70E+04
5825003093204		ANTRD 4A		4.03E+04
5825003093204	6625006690769	ANTRD 4A	METER AUD	2.55E+04
5825003093204	6625006690770	ANTRD 4A	METER AUD	1.48E+04
5825004915253	6625006690769	ANTRD 23A	METER AUD	2.55E+04
5825004915254	6625006690769	ANTRD 15A	METER MLT	2.55E+04
5825005431513	6625006182068	OA 1451/PRR	METER ARB	1.11E+03
5825007082221	6625002235244	ANTRD 17	METER MLT	1.85E+03
5825008934299		NTN	C.B.	3.70E+04
5825009260160		ANTRD 4		4.03E+04
5825009260160	6625006690769	ANTRD 4	METER AUD	2.55E+04
5825009260160	6625006690770	ANTRD 4	METER AUD	1.48E+04
5826000366504	6610008398638	ID 48A	INDICATOR	5.55E+04
5826003309656	6610008398638	ID 48	INDICATOR	5.55E+04
5826005196967	6625005554385	ANARN 59	METER ARB	6.29E+03
5826005430451	6610008398638	ANARN 30A	INDICATOR	5.55E+04
5826005430622	6625005554385	ANARN 59	METER ARB	6.29E+03
5826005534257	6610008398638	ANARN 30	INDICATOR	5.55E+04
5826005535925	6625005554385	C2275	METER ARB	6.29E+03
5826006886030	6625005554385	C2275	METER ARB	6.29E+03
5826007525814	6610008398638	ANARN 30D	INDICATOR	5.55E+04
5826008835759	6625005554385	ANARN 59	METER ARB	6.29E+03
5826008840887	6610008398638	ANARN 30	INDICATOR	5.55E+04
5826008921056	6610008398638	ANARN 30E	INDICATOR	5.55E+04
5830001602465		C 104		2.22E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5830001602465	5930002242725	C 104	T.S.	5.55E+03
5830001602465	5930005430074	C 104	T.S.	5.55E+03
5830001602465	5930006551513	C 104	T.S.	5.55E+03
5830001602465	5930006551582	C 104	T.S.	5.55E+03
5830001641276		AM 34		1.11E+04
5830001641276	5930002969664	AM 34	T.S.	5.55E+03
5830001641276	5930006551582	AM 34	T.S.	5.55E+03
5830001646618		ANTIQ 2		7.03E+04
5830001646618	5930006159376	ANTIQ 2	T.S.	5.55E+03
5830001646618	5930006551513	ANTIQ 2	T.S.	5.55E+03
5830001646618	5930006551514	ANTIQ 2	T.S.	5.55E+03
5830001646618	5930006551515	ANTIQ 2	T.S.	5.55E+03
5830001646618	5930006551575	ANTIQ 2	T.S.	5.55E+03
5830001646618	5930006551582	ANTIQ 2	T.S.	5.55E+03
5830001646618	9905002523748	ANTIQ 2	MARKER	1.48E+04
5830001646619		ANTIQ 3		2.16E+05
5830001646619	5930002242725	ANTIQ 3	T.S.	5.55E+03
5830001646619	5930002632362	ANTIQ 3	T.S.	5.55E+03
5830001646619	5930002969664	ANTIQ 3	T.S.	5.55E+03
5830001646619	5930002969664	ANTIQ 3	T.S.	5.55E+03
5830001646619	5930002969664	ANTIQ 3	T.S.	5.55E+03
5830001646619	5930005430074	ANTIQ 3	T.S.	5.55E+03
5830001646619	5930005669425	ANTIQ 3	T.S.	5.55E+03
5830001646619	5930006551513	ANTIQ 3	T.S.	5.55E+03
5830001646619	5930006551582	ANTIQ 3	T.S.	5.55E+03
5830001646619	5930006551582	ANTIQ 3	T.S.	5.55E+03
5830001646619	5930006551582	ANTIQ 3	T.S.	5.55E+03
5830001646619	5930006551582	ANTIQ 3	T.S.	5.55E+03
5830001646619	5930006551582	ANTIQ 3	T.S.	5.55E+03
5830001646622		ANTIQ 2A		7.03E+04
5830001646622	5930000502627	ANTIQ 2A	T.S.	5.55E+03
5830001646622	5930006551513	ANTIQ 2A	T.S.	5.55E+03
5830001646622	5930006551514	ANTIQ 2A	T.S.	5.55E+03
5830001646622	5930006551515	ANTIQ 2A	T.S.	5.55E+03
5830001646622	5930006551575	ANTIQ 2A	T.S.	5.55E+03



**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5830001646622	5930006551582	ANTIQ 2A	T.S.	5.55E+03
5830001646622	9905002523748	ANTIQ 2A	MARKER	1.48E+04
5830001646626		AM 20		5.92E+04
5830001646626	5930006551514	AM 20	T.S.	5.55E+03
5830001646626	5930006551515	AM 20	T.S.	5.55E+03
5830001646626	5930006551575	AM 20	T.S.	5.55E+03
5830001646626	5930006551582	AM 20	T.S.	5.55E+03
5830001646626	9905002523748	AM 20	MARKER	1.48E+04
5830001707868	5355004049678	C 375	KNOB	4.81E+03
5830002297124	5930001631617	C 664	KNOB	4.81E+03
5830002430816	5930001631617	C 665	KNOB	4.81E+03
5830002542155		AM 700		1.11E+04
5830002542155	5930002969664	AM 700	T.S.	5.55E+03
5830002542155	5930006551582	AM 700	T.S.	5.55E+03
5830005031002		C1090		9.99E+04
5830005031002	5930002632362	C1090	T.S.	5.55E+03
5830005031002	5930002969664	C1090	T.S.	5.55E+03
5830005031002	5930005669425	C1090	T.S.	5.55E+03
5830005031002	5930006551513	C1090	T.S.	5.55E+03
5830005031002	5930006551582	C1090	T.S.	5.55E+03
5830005031108	5930001631617	C 663	KNOB	4.81E+03
5830005031109	5355001639955	C 981	KNOB	4.81E+03
5830005082151		ANVIA 4		1.44E+04
5830005082151	5355001639955	ANVIA 4	KNOB	4.81E+03
5830005082151	5930001631617	ANVIA 4	KNOB	4.81E+03
5830005082151	5930001631617	ANVIA 4	KNOB	4.81E+03
5830005397728		ANVIA 1		1.44E+04
5830005397728	5355001639955	ANVIA 1	KNOB	4.81E+03
5830005397728	5930001631617	ANVIA 1	KNOB	4.81E+03
5830005397728	5930001631617	ANVIA 1	KNOB	4.81E+03
5830006909705		ANTIQ 2B		7.03E+04
5830006909705	5930000502627	ANTIQ 2B	T.S.	5.55E+03
5830006909705	5930006551513	ANTIQ 2B	T.S.	5.55E+03
5830006909705	5930006551514	ANTIQ 2B	T.S.	5.55E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5830006909705	5930006551515	ANTIQ 2B	T.S.	5.55E+03
5830006909705	5930006551575	ANTIQ 2B	T.S.	5.55E+03
5830006909705	5930006551582	ANTIQ 2B	T.S.	5.55E+03
5830006909705	9905002523748	ANTIQ 2B	MARKER	1.48E+04
5830009432415		ANTIQ 3A LP		2.16E+05
5830009432415	5930002242725	ANTIQ 3A LP	T.S.	5.55E+03
5830009432415	5930002632362	ANTIQ 3A LP	T.S.	5.55E+03
5830009432415	5930002969664	ANTIQ 3A LP	T.S.	5.55E+03
5830009432415	5930002969664	ANTIQ 3A LP	T.S.	5.55E+03
5830009432415	5930002969664	ANTIQ 3A LP	T.S.	5.55E+03
5830009432415	5930005430074	ANTIQ 3A LP	T.S.	5.55E+03
5830009432415	5930005669425	ANTIQ 3A LP	T.S.	5.55E+03
5830009432415	5930006551513	ANTIQ 3A LP	T.S.	5.55E+03
5830009432415	5930006551513	ANTIQ 3A LP	T.S.	5.55E+03
5830009432415	5930006551582	ANTIQ 3A LP	T.S.	5.55E+03
5830009432415	5930006551582	ANTIQ 3A LP	T.S.	5.55E+03
5830009432415	5930006551582	ANTIQ 3A LP	T.S.	5.55E+03
5830009432415	5930006551582	ANTIQ 3A LP	T.S.	5.55E+03
5830009432415	5930006551582	ANTIQ 3A LP	T.S.	5.55E+03
5835001282762		MX-39		1.11E+04
5835001282762	5930000502627	MX-39	T.S.	5.55E+03
5835001282762	5930006159376	MX-39	T.S.	5.55E+03
5835001282762	5930006551513	MX-39	T.S.	5.55E+03
5835006140650	6625005004585	RO 28	METER ARB	5.55E+03
5835007891454	6625005004585	RO 28	METER ARB	5.55E+03
5835008923510	6625005004585	ANUNH 6	METER ARB	5.55E+03
5840000698811	6625002235244	ANSPN 11	METER MLT	1.85E+03
5840000823932		MD594		1.11E+04
5840000823932	5930006551514	MD594	T.S.	5.55E+03
5840000823932	5930006551582	MD594	T.S.	5.55E+03
5840000920953		OA 800		4.18E+04
5840000920953	5355001639955	OA 800	KNOB	4.81E+03
5840000920953	6625005389700	OA 800	METER AUD	3.70E+04
5840001105773	5355005596288	ANFSQ 84	DIAL SCAL	5.81E+05
5840001105773	6625000683493	ANFSQ 84	METER VLT	3.70E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5840001105773	6625000689751	ANFSQ 84	METER AMM	1.52E+04
5840001105773	6625007527530	ANFSQ 84	METER VLT	3.70E+03
5840001105773	6625007527537	ANFSQ 84	METER AMM	1.52E+04
5840001378336	6625005733786	ANSPS 56	METER VLT	8.88E+03
5840003785006	6625001937160	ANMPQ 10	METER VLT	3.00E+04
5840005031078		ANGSS 1		4.18E+04
5840005031078	5355001639955	ANGSS 1	KNOB	4.81E+03
5840005031078	6625005389700	ANGSS 1	METER AUD	3.70E+04
5840005031086	6625001937160	ANMPQ 10	METER MLT	3.00E+04
5840005033392	6625001937160	KY 78	METER VLT	3.00E+04
5840005033528	6625002235244	ANSPN 18	METER MLT	1.85E+03
5840005033529	6625002235244	ANSPN 11Z	METER MLT	1.85E+03
5840005033530	6625002235244	ANSPN 18	METER MLT	1.85E+03
5840005033531	6625002235244	ANSPN 11Y	METER MLT	1.85E+03
5840005033532	6625002235244	ANSPN 11X1	METER MLT	1.85E+03
5840005050737	6625001937160	ANMPQ 10	METER VLT	3.00E+04
5840005051086	6625001937160	ANMPQ 10A	METER VLT	3.00E+04
5840005051852A	5930006551514	ANFPS 4	T.S.	5.55E+03
5840005051852B	5930006551514	ANFPS 36	T.S.	5.55E+03
5840005342869	6625001937160	SB 212	METER VLT	3.00E+04
5840005427128	5930006551514	ANFPS 56	T.S.	5.55E+03
5840005430750	6625005004585	ANMPQ 4A LP	METER ARB	5.55E+03
5840005430759	6625005004585	ANMPQ 4	METER ARB	5.55E+03
5840005457252	6625002235244	R 572	METER MLT	1.85E+03
5840005457259	6625002235244	ANSPN 11X2	METER MLT	1.85E+03
5840005457327	6625001937160	ANMPQ 16	METER VLT	3.00E+04
5840005596288		NTN	DIAL SCAL	3.70E+07
5840005626274		ANFPN 33		7.92E+04
5840005626274	6625005399577	ANFPN 33	METER AMM	3.70E+04
5840005626274	6625005785612	ANFPN 33	METER AMM	2.33E+04
5840005626274	6625007527530	ANFPN 33	METER VLT	3.70E+03
5840005626274	6625007527537	ANFPN 33	METER AMM	1.52E+04
5840005628880	6625005785612	T 626	METER AMM	2.33E+04
5840005628903	5930006551514	ANFPS 36	T.S.	5.55E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5840005674624	6625005538190	PP 607	METER AMM	3.70E+01
5840006426799	6625002235244	R 480	METER MLT	1.85E+03
5840006822719		T 749		3.77E+04
5840006822719	6625000683493	T 749	METER VLT	3.70E+03
5840006822719	6625000689751	T 749	METER AMM	1.52E+04
5840006822719	6625007527530	T 749	METER VLT	3.70E+03
5840006822719	6625007527537	T 749	METER AMM	1.52E+04
5840007520603	5355005596288	ANFPN 40	DIAL SCAL	5.81E+05
5840007520603	6625000683493	ANFPN 40	METER VLT	3.70E+03
5840007520603	6625000689751	ANFPN 40	METER AMM	1.52E+04
5840007520603	6625007527530	ANFPN 40	METER VLT	3.70E+03
5840007520603	6625007527537	ANFPN 40	METER AMM	1.52E+04
5840007723006	6625001937160	ANMPQ 10	METER VLT	3.00E+04
5840008559279		ANFPS 71		1.11E+04
5840008559279	5930006551514	ANFPS 71	T.S.	5.55E+03
5840008559279	5930006551582	ANFPS 71	T.S.	5.55E+03
5840008563802	5960008288004	AM3216	E.T.	9.62E+03
5840008962385	5960008288004	OA 2308	E.T.	1.11E+03
5840009256270	6625001937160	ANMPQ 10A	METER VLT	3.00E+04
5840009358063		ANFPS 71A		1.11E+04
5840009358063	5930006551514	ANFPS 71A	T.S.	5.55E+03
5840009358063	5930006551582	ANFPS 71A	T.S.	5.55E+03
5840009436625		ANGSS 1 LP		4.18E+04
5840009436625	5355001639955	ANGSS 1 LP	KNOB	4.81E+03
5840009436625	6625005389700	ANGSS 1 LP	METER AUD	3.70E+04
5840010343946	6625005733786	ANSPS 64V5	METER VLT	8.88E+03
5841008567760	5960008536468	ANAPS 85	E.T.	7.40E+04
5865000698847		ANGLQ 3 LP		4.81E+04
5865000698847	5930006157880	ANGLQ 3 LP	T.S.	5.55E+03
5865000698847	5930006551582	ANGLQ 3 LP	T.S.	5.55E+03
5865000698847	6625008274651	ANGLQ 3 LP	METER AMM	3.70E+04
5865003305684		ANAPA 74		4.03E+04
5865003305684	6625006690769	ANAPA 74	METER AUD	2.55E+04
5865003305684	6625006690770	ANAPA 74	METER AUD	1.48E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5865006771144	6625002235244	ANMLQ 8	METER MLT	1.85E+03
5865009358189	5930006551582	C2174	T.S.	5.55E+03
5865010302769		ANGLQ 3A		4.81E+04
5865010302769	5930006157880	ANGLQ 3A	T.S.	5.55E+03
5865010302769	5930006551582	ANGLQ 3A	T.S.	5.55E+03
5865010302769	6625008274651	ANGLQ 3A	METER AMM	3.70E+04
5865010784607		ANGLQ 3B		4.81E+04
5865010784607	5930006157880	ANGLQ 3B	T.S.	5.55E+03
5865010784607	5930006551582	ANGLQ 3B	T.S.	5.55E+03
5865010784607	6625008274651	ANGLQ 3B	METER AMM	3.70E+04
5895000454498	6625008476924	ANTAQ 1B LP	METER AMM	7.40E+03
5895000549366	6625005553095	ANTSQ 70A	METER VLT	2.04E+04
5895000566806	5960008288004	ANMSQ 28	E.T.	1.11E+03
5895000698753		ANTSC 25		8.55E+04
5895000698753	6625006690769	ANTSC 25	METER AUD	2.55E+04
5895000698753	6625006690770	ANTSC 25	METER AUD	1.48E+04
5895000698753	6625007527960	ANTSC 25	METER ARB	8.14E+03
5895000698753	6625008274651	ANTSC 25	METER AMM	3.70E+04
5895000698777		ANTSC 26		5.92E+04
5895000698777	6625002265680	ANTSC 26	METER AUD	2.22E+04
5895000698777	6625009264412	ANTSC 26	METER AMM	3.70E+04
5895000784771		AM 3349	AMP RADIO	1.11E+05
5895000784771	6625002265679	AM 3349	METER ARB	3.70E+04
5895000784771	6625002265681	AM 3349	METER ARB	3.70E+04
5895001678008		ANTSC 20 LP		8.55E+04
5895001678008	6625006690769	ANTSC 20 LP	METER AUD	2.55E+04
5895001678008	6625006690770	ANTSC 20 LP	METER AUD	1.48E+04
5895001678008	6625007527960	ANTSC 20 LP	METER ARB	8.14E+03
5895001678008	6625008274651	ANTSC 20 LP	METER AMM	3.70E+04
5895001678009		ANTSC 20A LP		8.55E+04
5895001678009	6625006690769	ANTSC 20A LP	METER AUD	2.55E+04
5895001678009	6625006690770	ANTSC 20A LP	METER AUD	1.48E+04
5895001678009	6625007527960	ANTSC 20A LP	METER ARB	8.14E+03
5895001678009	6625008274651	ANTSC 20A LP	METER AMM	3.70E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5895001678010		ANTSC 25 LP		8.55E+04
5895001678010	6625006690769	ANTSC 25 LP	METER AUD	2.55E+04
5895001678010	6625006690770	ANTSC 25 LP	METER AUD	1.48E+04
5895001678010	6625007527960	ANTSC 25 LP	METER ARB	8.14E+03
5895001678010	6625008274651	ANTSC 25 LP	METER AMM	3.70E+04
5895001681477		ANTSC 26 LP		5.92E+04
5895001681477	6625002265680	ANTSC 26 LP	METER AUD	2.22E+04
5895001681477	6625009264412	ANTSC 26 LP	METER AMM	3.70E+04
5895001681572		ANMSC 53 LP		4.18E+04
5895001681572	5355001639955	ANMSC 53 LP	KNOB	4.81E+03
5895001681572	6625005389700	ANMSC 53 LP	METER AUD	3.70E+04
5895001681577	6625005553095	ANTSQ 70A LP	METER VLT	2.04E+04
5895006886053		NTN	CONT, REC	6.29E+03
5895008562991		ANGSS 7		5.29E+04
5895008562991	5355001639955	ANGSS 7	KNOB	4.81E+03
5895008562991	5930006551514	ANGSS 7	T.S.	5.55E+03
5895008562991	5930006871097	ANGSS 7	T.S.	5.55E+03
5895008562991	6625005389700	ANGSS 7	METER AUD	3.70E+04
5895008688195		ANTRC111 WPR		1.30E+05
5895008688195	5930006157880	ANTRC111 WRP	T.S.	5.55E+03
5895008688195	6625002265679	ANTRC111 WPR	METER ARB	3.70E+04
5895008688195	6625002265681	ANTRC111 WPR	METER ARB	3.70E+04
5895008732174	6625008476924	ANTAQ 1	METER AMM	7.40E+03
5895008778764		ANTSC 18 LP		8.55E+04
5895008778764	6625006690769	ANTSC 18 LP	METER AUD	2.55E+04
5895008778764	6625006690770	ANTSC 18 LP	METER AUD	1.48E+04
5895008778764	6625007527960	ANTSC 18 LP	METER ARB	8.14E+03
5895008778764	6625008274651	ANTSC 18 LP	METER AMM	3.70E+04
5895008778765		ANTSC 19 LP		8.55E+04
5895008778765	6625006690769	ANTSC 19 LP	METER AUD	2.55E+04
5895008778765	6625006690770	ANTSC 19 LP	METER AUD	1.48E+04
5895008778765	6625007527960	ANTSC 19 LP	METER ARB	8.14E+03
5895008778765	6625008274651	ANTSC 19 LP	METER AMM	3.70E+04
5895008923748		ANTRC 90		6.11E+05

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5895008923748	6605002378215	ANTRC 90	COMPASS	5.55E+05
5895008923748	6610008398638	ANTRC 90	INDICATOR	5.55E+04
5895008974819		ANTSC 18		8.55E+04
5895008974819	6625006690769	ANTSC 18	METER AUD	2.55E+04
5895008974819	6625006690770	ANTSC 18	METER AUD	1.48E+04
5895008974819	6625007527960	ANTSC 18	METER ARB	8.14E+03
5895008974819	6625008274651	ANTSC 18	METER AMM	3.70E+04
5895008974820		ANTSC 19		8.55E+04
5895008974820	6625006690769	ANTSC 19	METER AUD	2.55E+04
5895008974820	6625006690770	ANTSC 19	METER AUD	1.48E+04
5895008974820	6625007527960	ANTSC 19	METER ARB	8.14E+03
5895008974820	6625008274651	ANTSC 19	METER AMM	3.70E+04
5895008977976		ANTSC 20		8.55E+04
5895008977976	6625006690769	ANTSC 20	METER AUD	2.55E+04
5895008977976	6625006690770	ANTSC 20	METER AUD	1.48E+04
5895008977976	6625007527960	ANTSC 20	METER ARB	8.14E+03
5895008977976	6625008274651	ANTSC 20	METER AMM	3.70E+04
5895009377100	6625002235244	ANMSQ 85 LP	METER MLT	1.85E+03
5895009448218	6625008476924	PP4516	METER AMM	7.40E+03
5895009479762	6625008476924	ANTAQ 1A LP	METER AMM	7.40E+03
5895010429859	6625005733786	ANTSC 85 V2	METER VLT	8.88E+03
5895010429860	6625005733786	ANTSC 93	METER VLT	8.88E+03
5925000272102		2711290P9	C.B.	1.85E+03
5925001092211		3H90080	C.B.	3.70E+04
5925001440443		C6363210	C.B.	3.70E+04
5925001440451		C6363225	C.B.	3.70E+04
5925001440453		C6363230	C.B.	3.70E+04
5925001440459		D63641120	C.B.	3.70E+04
5925001440462		D 6364160	C.B.	3.70E+04
5925001440464		D 6364170	C.B.	3.70E+04
5925001558455		C636312LT	C.B.	3.70E+04
5925001558456		C636315	C.B.	3.70E+04
5925001590414		8751K4	C.B.	3.70E+04
5925001737627		D 6751150	C.B.	3.70E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

<b>END ARTICLE NSN</b>	<b>PART NSN</b>	<b>END ARTICLE TYPE NUMBER</b>	<b>PART NAME</b>	<b>ACTIVITY (Bq)</b>
5925001752580		C636325LT	C.B.	3.70E+04
5925001755222		AN3161P35	C.B.	3.70E+04
5925002587121		C636315LT	C.B.	3.70E+04
5925002652259		AM1513F2	C.B.	1.85E+03
5925002718658		8725K4	C.B.	1.85E+03
5925002791029		AM1513F35	C.B.	1.85E+03
5925002791031		AM1614-25	C.B.	1.85E+03
5925002791350		NTN	C.B.	3.70E+04
5925004842960		NTN	C.B.	3.33E+04
5925005017729		D 6364140	C.B.	3.70E+04
5925005027420		2711289P6	C.B.	1.85E+03
5925005035847		C3631125	C.B.	3.70E+04
5925005064348		NTN	C.B.	3.70E+04
5925005064365		1721289P5	C.B.	3.70E+04
5925005064367		2711289P19	C.B.	1.85E+03
5925005064368		2711289P18	C.B.	1.85E+03
5925005064370		2711289P4	C.B.	1.85E+03
5925005064372		2711290P23	C.B.	1.85E+03
5925005064382		2711290P6	C.B.	1.85E+03
5925005064388		2711290P19	C.B.	1.85E+03
5925005064389		2711290P20	C.B.	1.85E+03
5925005810376		PAM1014MG3	C.B.	1.85E+03
5925005830590		C6363135	C.B.	3.70E+04
5925005838292		C636316	C.B.	3.70E+04
5925005866129		D 6364260	C.B.	3.70E+04
5925006795834		ET5943	C.B.	1.85E+05
5925006860508		NTN	C.B.	3.70E+04
5926001440438		NTN	C.B.	3.70E+04
5930000502627		NTN	T.S.	5.55E+03
5930001125288		8803K9	T.S.	5.55E+03
5930001631617		NTN	KNOB	4.81E+03
5930001802541		8708	T.S.	3.70E+04
5930001873741		8201K11	T.S.	5.55E+03
5930002012545		8207K3	T.S.	7.40E+03



**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5930002242725		NTN	T.S.	5.55E+03
5930002326537		B7A	T.S.	7.40E+03
5930002568386		NTN	T.S.	3.70E+04
5930002598350		8822K1	T.S.	3.70E+04
5930002598386		8212K11	T.S.	5.55E+03
5930002632362		NTN	T.S.	5.55E+03
5930002721368		8800K12	T.S.	5.55E+03
5930002965899		NTN	T.S.	3.70E+04
5930002969017		8715K2	T.S.	5.55E+03
5930002969664		8823K9	T.S.	5.55E+03
5930003209934		241164	T.S.	1.18E+04
5930003569426		NTN	T.S.	5.55E+03
5930004739099		8916K504	T.S.	3.70E+04
5930004869056		NTN	T.S.	5.55E+03
5930005048679		NTN	T.S.	3.70E+04
5930005183135		8905K520	T.S.	3.70E+04
5930005183174		A9503C28	T.S.	3.70E+04
5930005430074		NTN	T.S.	5.55E+03
5930005490116		8816K8	T.S.	5.55E+03
5930005659501		8905K514	T.S.	5.55E+03
5930005669425		NTN	T.S.	5.55E+03
5930006544356		C63636A	T.S.	3.70E+04
5930006551582		C2174	T.S.	5.55E+03
5930006651514		NTN	T.S.	5.55E+03
5930006697711		8802K9	T.S.	5.55E+03
5930007602622		C636312	T.S.	3.70E+04
5930008106128		8821K9	T.S.	5.55E+03
5930008200566		8801K12	T.S.	5.55E+03
5930009507445		8824K11	T.S.	5.55E+03
5930009919287		8820K13	T.S.	5.55E+03
5960000381660B		5939A	E.T.	1.22E+05
5960002620123		NTN	E.T.	3.70E+04
5960002620125		NTN	E.T.	7.40E+04
5960005785241		6542	E.T.	1.85E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5960006244718		NTN	E.T.	2.22E+05
5960007073336		7988/TD44	E.T.	2.22E+03
5960007549916		6542	E.T.	1.85E+03
5960008000554		6627/OB2WA	E.T.	2.22E+05
5960008288000		5027	E.T.	9.62E+03
5960008288002		NTN	E.T.	1.11E+03
5960008536468		NTN	E.T.	7.40E+04
5985001681571		ANMSC 32A LP		4.18E+04
5985001681571	5355001639955	ANMSC 32A LP	KNOB	4.81E+03
5985001681571	6625005389700	ANMSC 32A LP	METER AUD	3.70E+04
6110000645478	5930006551582	CN514	T.S.	5.55E+03
6115007747342	6625008426532	NTN	METER AMM	4.07E+03
6525001937160		NTN	METER VLT	3.00E+04
6605002378215		NTN	COMPASS	5.55E+05
6605004989203		NTN	COMPASS	2.66E+05
6610005669684		NTN	ALTIMETER	6.29E+03
6610008398638		ID 48/ARN	INDICATOR	5.55E+04
6620001559042		NTN	INDICATOR	1.74E+04
6620008201495B		NTN	INDICATOR	5.55E+05
6620009304048		NTN	METER VLT	4.07E+04
6625000487693B		NTN	METER	3.70E+04
6625000689751		NTN	METER AMM	1.52E+04
6625001749145		NTN	METER VLT	1.92E+04
6625001937160		NTN	METER VLT	3.00E+04
6625001991784		NTN	METER VLT	3.70E+04
6625002235244		NTN	METER MLT	1.85E+03
6625002265679		NTN	METER ARB	3.70E+04
6625002265680		NTN	METER AUD	2.22E+04
6625002265681		NTN	METER ARB	3.70E+04
6625002266319		NTN	METER AMM	3.70E+04
6625002315295		NTN	METER ARB	3.70E+04
6625002410816		NTN	METER VLT	3.70E+04
6625002571103		NTN	METER MLT	3.70E+04
6625002648003		NTN	METER AMM	3.70E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
6625002996316		NTN	METER AMM	1.41E+04
6625003098730		NTN	METER AMM	1.33E+04
6625003098731		NTN	METER AMM	3.70E+01
6625003330411		NTN	METER VLT	1.11E+04
6625003330412		NTN	METER AMM	5.55E+03
6625004056606		NTN	METER VLT	2.59E+03
6625005004589		NTN	METER ARB	5.55E+03
6625005101788		NTN	METER AMM	7.77E+02
6625005190072		NTN	METER ARB	1.70E+04
6625005192149		NTN	METER ARB	2.70E+04
6625005192805		NTN	METER AMM	9.25E+03
6625005234291	6625005733786	ANARM 22	METER VLT	8.88E+03
6625005238570		NTN	METER ARB	3.70E+05
6625005331709		NTN	METER ASM	3.70E+04
6625005331719		NTN	METER ARB	3.70E+04
6625005389000		NTN	METER AMM	1.15E+04
6625005389575		NTN	METER MLT	3.15E+04
6625005398575		SG- 13/ARN		3.33E+05
6625005398575	5960002643004	SG- 13/ARN	ET SHIELD	3.70E+04
6625005399577		NTN	METER AMM	3.70E+04
6625005420574		NTN	METER VLT	3.70E+04
6625005421559		NTN	METER AMM	1.18E+04
6625005537625		NTN	METER AMM	3.33E+04
6625005538190		NTN	METER AMM	3.70E+01
6625005553092		NTN	METER AMM	1.11E+04
6625005553095		NTN	METER VLT	2.04E+04
6625005554385		NTN	METER ARB	6.29E+03
6625005690243		NTN	METER AMM	2.18E+04
6625005733786		NTN	METER VLT	8.88E+03
6625005785612		NTN	METER AMM	2.33E+04
6625005801901		NTN	METER VLT	1.04E+04
6625005812684		NTN	TIMER	3.70E+04
6625005855742		NTN	METER AMM	6.29E+03
6625005969258		NTN	METER AMM	5.29E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
6625006182068		NTN	METER ARB	1.11E+03
6625006431670	5930006551514	ME-30A/U	T.S.	5.55E+03
6625006685134		NTN	METER AMM	9.62E+03
6625006689315		NTN	METER VLT	7.40E+03
6625006690261		NTN	METER MLT	2.29E+04
6625006690769		NTN	METER AUD	2.55E+04
6625006690770		NTN	METER AUD	1.48E+04
6625006824762		NTN	METER VLT	1.52E+04
6625007527530		NTN	METER VLT	3.70E+03
6625007527537		NTN	METER AMM	1.52E+04
6625007527960		NTN	METER ARB	8.14E+03
6625007528075		NTN	METER AMM	1.48E+04
6625007726755		NTN	METER AUD	5.18E+03
6625007864136		MK 387		1.66E+04
6625007864136	5930006551514	MK 387	T.S.	5.55E+03
6625007864136	5930006551515	MK 387	T.S.	5.55E+03
6625008274651		NTN	METER AMM	3.70E+04
6625008309685		NTN	METER GAL	3.70E+04
6625008411788		NTN	METER AMM	1.18E+04
6625008426532		NTN	METER AMM	4.07E+03
6625008430971		SG-298/U		3.72E+04
6625008430971	5960002620286	SG-298/U	E.T.	1.85E+02
6625008430971	5960002643004	SG-298/U	ET SHIELD	3.70E+04
6625008559447		ANARM 45		8.51E+04
6625008559447	5925001558455	ANARM 45	C.B.	3.70E+04
6625008559447	5925002968123	ANARM 45	C.B.	3.70E+04
6625008559447	5930006551515	ANARM 45	T.S.	5.55E+03
6625008559447	5930006551582	ANARM 45	T.S.	5.55E+03
6625008688124	6625006182068	ANPDR 6	METER AMM	1.11E+02
6625008688323	6625005554385	ANARM 63	METER ARB	6.29E+03
6625008706208		NTN	METER AMM	1.26E+04
6625008723214		NTN	METER ARB	3.70E+04
6625008751056		NTN	METER ARB	3.70E+04
6625008776436		NTN	METER AMM	3.70E+04

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
625008849838		NTN	METER AMM	9.25E+03
6625008891585		NTN	METER AMM	9.62E+03
6625009012972	6610008398638	ANARC 54	INDICATOR	5.55E+04
6625009264412		NTN	METER AMM	3.70E+04
6625009619551		NTN	METER AMM	5.55E+03
6625009715007		NTN	METER AMM	2.52E+04
6665005431443	6665006841199	ANPDR 27G	SOURCE	2.59E+05
6665005615887	6665006841199	ANPDR 27	SOURCE	2.59E+05
6665005801793	6625008751056	IM108	METER RAD	3.70E+04
6665008568037	6665008751056	IM174	METER RAD	3.70E+04
6665008592201	5930006551514	M 43	T.S.	5.55E+03
6665008592201	5930006551582	M 43	SWITCH	5.55E+03
6665008688124	6625006182068	ANPDR 6	METER ARB	1.11E+03
6665008751056		NTN	METER RAD	3.70E+04
6665008777932		NTN	METER RAD	6.29E+03
6665009995145	6665008777932	IM174A	METER RAD	6.29E+03
6740004704288	5930006551582	EN601	T.S.	5.55E+03
6780000186868		ES 38B		1.11E+04
6780000186868	5930006551514	ES 38B	T.S.	5.55E+03
6780000186868	5930006551582	ES 38B	T.S.	5.55E+03
6780002425756		ES 38B1		1.11E+04
6780002425756	5930006551514	ES 38B1	T.S.	5.55E+03
6780002425756	5930006551582	ES 38B1	T.S.	5.55E+03
6780003565408	6645006637941	ANTFQ 7	TIMER	2.33E+05
6780004002641	6645006637941	ES 82A	TIMER	2.33E+05
6780005081175A	6645006637941	ANTFQ 7A	TIMER	2.33E+05
6780005081175B	6645006637941	ANTFQ 7B	TIMER	2.33E+05
6780005081178	6645006637941	ANTFQ 7	TIMER	2.33E+05
6780007596025		ES 38A		1.11E+04
6780007596025	5930006551514	ES 38A	T.S.	5.55E+03
6780007596025	5930006551582	ES 38A	T.S.	5.55E+03
6780009265254		ES 38A		1.11E+04
6780009265254	5930006551514	ES 38A	T.S.	5.55E+03
6780009265254	5930006551582	ES 38A	T.S.	5.55E+03

**APPENDIX D**  
**RA226 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

<b>END ARTICLE NSN</b>	<b>PART NSN</b>	<b>END ARTICLE TYPE NUMBER</b>	<b>PART NAME</b>	<b>ACTIVITY (Bq)</b>
7450009996085	6625005733786	ANTNH 16	METER VLT	8.88E+03
9905002523748		NTN	MARKER	1.48E+04

## **APPENDIX E**

# **CECOM THORIUM COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE**





**APPENDIX E**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1430010709552	5855010308595	NTN	DET DWR	3.70E+01
1430010709552	5855011299760	NTN	IMG CNVRT	3.70E+02
1430011298798	5855010616751	NTN	DET DWR	7.40E+01
1430011298798	5855010823685	NTN	OPTL SCAN	1.07E+03
1430011298798	5855012525423	NTN	DET DWR	7.40E+01
1430012721917	5855010616751	NTN	DET DWR	7.40E+01
1430012721917	5855010823685	NTN	OPTL IMGR	1.07E+03
5855000105162		NTN	LENS, 40MM	1.50E+05
5855000105184		NTN	LENS, 40MM	1.91E+05
5855000105187		NTN	LENS, 40MM	1.29E+05
5855000105195		NTN	LENS, 40MM	1.72E+05
5855000105196		NTN	LENS, 40MM	1.81E+04
5855000512792		NTN	IMAGE ITS	1.81E+05
5855000533142		MX-7901	SCOPE	6.59E+05
5855000544545		NTN	MODULE#2	6.03E+04
5855000544565		NTN	MODULE#2	6.11E+04
5855000544686		NTN	MODULE#2	6.03E+04
5855000548490		MX-8200	IMAGE ITS	8.88E+04
5855000548617		NTN	E.P.	3.74E+04
5855000548669		MX-7854	IMAGE ITS	1.81E+05
5855000551307		MX-8200	IMAGE ITS	8.88E+04
5855000576900		NTN	IMAGE ITS	8.88E+04
5855000872941		MX-8501	IMAGE ITS	1.81E+05
5855000872942		ANPVS 1		2.89E+05
5855000872942	5855000512792	ANPVS 1	IMAGE ITS	1.81E+05
5855000872942	5855006889954	ANPVS 1	SCOPE	1.08E+05
5855000872942	5855009413037	ANPVS 1	E.P.	1.08E+05
5855000872947		ANPVS 2	IMAGE ITS	2.89E+05
5855000872947	5855000512792	ANPVS 2	IMAGE ITS	1.81E+05
5855000872947	5855000872948	ANPVS 2	IMAGE ITS	1.81E+05
5855000872947	5855008329223	ANPVS 2	E.P.	1.81E+05
5855000872947	5855009413037	ANPVS 2	E.P.	1.08E+05
5855000872948		NTN	IMAGE ITS	1.81E+05
5855000872974		ANPVS 1		2.89E+05

**APPENDIX E**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5855000872974	5855000512792	ANPVS 1	IMAGE ITS	1.81E+05
5855000872974	5855006889954	ANPVS 1	SCOPE	1.08E+05
5855000872974	5855009413037	ANPVS 1	E.P.	1.08E+05
5855000873144		ANTVS 2		2.89E+05
5855000873144	5855000512792	ANTVS 2	IMAGE ITS	1.81E+05
5855000873144	5855004013442	ANTVS 2	IMAGE ITS	1.81E+05
5855000873144	5855009371661	ANTVS 2	SCOPE	1.81E+05
5855000873144	5855009413037	ANTVS 2	E.P.	1.08E+05
5855001135680		MX-8201	SCOPE	8.88E+04
5855001472508		MX-7856A	IMAGE ITS	5.62E+05
5855001564992		ANPVS 3A		1.26E+05
5855001564992	5855000548490	ANPVS 3A	IMAGE ITS	8.88E+04
5855001564992	5855000548617	ANPVS 3A	E.P.	3.74E+04
5855001564992	5855001564993	ANPVS 3A	SCOPE	8.88E+04
5855001564993		MX-8201A	SCOPE	8.88E+04
5855001677636		MX-8239	IMAGE ITS	5.62E+05
5855001677887		NTN	LENS, 18MM	9.62E+03
5855001677888		NTN	LENS, 18MM	1.89E+04
5855001677890		NTN	LENS, 18MM	8.88E+03
5855001773502		NTN	IMAGE ITS	1.81E+05
5855001793708		ANPVS 2A		2.89E+05
5855001793708	5855000872948	ANPVS 2A	IMAGE ITS	1.81E+05
5855001793708	5855001793709	ANPVS 2A	SCOPE	1.08E+05
5855001793708	5855009413037	ANPVS 2A	E.P.	1.08E+05
5855001793709		MX-7833A	SCOPE	1.81E+05
5855001798202		NTN	MODULE#3	6.03E+04
5855001798203		NTN	MODULE#2	6.03E+04
5855004002621		NTN	LENS	1.08E+05
5855004013442		NTN	IMAGE ITS	1.81E+05
5855004090915		MX-7794B	SCOPE	1.08E+05
5855004090920		NTN	E.P. 18MM	3.74E+04
5855004848638		ANTVS 2B		2.89E+05
5855004848638	5855000512792	ANTVS 2B	IMAGE ITS	1.81E+05
5855004848638	5855004090915	ANTVS 2B	SCOPE	1.08E+05

**APPENDIX E**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5855004848638	5855009413037	ANTVS 2B	E.P.	1.08E+05
5855006889954		MX-7793	SCOPE	1.08E+05
5855006889956		ANTVS 4		1.22E+06
5855006889956	5855009089314	ANTVS 4	IMAGE ITS	5.62E+05
5855006889956	5855009333248	ANTVS 4	E.P.	6.59E+05
5855006889957		ANTVS 4		1.22E+06
5855006889957	5855009089314	ANTVS 4	IMAGE ITS	5.62E+05
5855006889957	5855009333248	ANTVS 4	E.P.	6.59E+05
5855007603869		ANPVS 2B	NV SIGHT	2.89E+05
5855007603869	5855001773502	ANPVS 2B	IMAGE ITS	1.81E+05
5855007603869	5855009413037	ANPVS 2B	E.P.	1.08E+05
5855007603870		ANTVS 4A		1.22E+06
5855007603870	5855000533142	ANTVS 4A	SCOPE	6.59E+05
5855007603870	5855001472508	ANTVS 4A	IMAGE ITS	5.62E+05
5855007603870	5855008790546	ANTVS 4A	E.P.	6.29E+05
5855007911628		NTN	LENS, 25MM	5.00E+04
5855007911644		NTN	LENS	2.22E+04
5855007911653		MX-7794A	SCOPE	1.08E+05
5855007913358		ANTVS 2A		2.89E+05
5855007913358	5855000512792	ANTVS 2A	IMAGE ITS	1.81E+05
5855007913358	5855007911653	ANTVS 2A	SCOPE	1.81E+05
5855007913358	5855009413037	ANTVS 2A	E.P.	1.08E+05
5855008329223	5855009413037	MX-7833	NV SIGHT	1.81E+05
5855008329341		ANPVS 3		1.26E+05
5855008329341	5855000548490	ANPVS 3	IMAGE ITS	8.88E+04
5855008329341	5855000548617	ANPVS 3	E.P.	3.74E+04
5855008329341	5855001135680	ANPVS 3	SCOPE	8.88E+04
5855008790546		40 MMEP	E.P.	6.59E+05
5855009060994		ANTVS 4		1.22E+06
5855009060994	5855000533142	ANTVS 4	SCOPE	6.59E+05
5855009060994	5855001472508	ANTVS 4	IMAGE ITS	5.62E+05
5855009060994	5855008790546	ANTVS 4	E.P.	6.59E+05
5855009089314		MX-7856	IMAGE ITS	5.62E+05
5855009111370		ANTVS 2		2.89E+05

**APPENDIX E**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5855009111370	5855000512792	ANTVS 2	IMAGE ITS	1.81E+05
5855009111370	5855004013442	ANTVS 2	IMAGE ITS	1.81E+05
5855009111370	5855009371661	ANTVS 2	SCOPE	1.81E+05
5855009111370	5855009413037	ANTVS 2	E.P.	1.08E+05
5855009309478		NTN	E.P.	6.59E+05
5855009333248		40 MMEP	E.P.	6.59E+05
5855009335829		MX-7855	IMAGE ITS	1.81E+05
5855009371661		MX-7794	SCOPE	1.81E+05
5855009413037		25 MM	E.P.	1.08E+05
5855009623069		NTN	LENS	3.63E+04
5855010308595		DT 591 /UA	DET DWR	3.70E+01
5855010308601		SU 97/UA	OPTL IMGR	3.70E+02
5855010377340	5855010308595	ANTAS 6	DET DWR	3.70E+01
5855010473231	5855010308595	NTN	DET DWR	3.70E+01
5855010473231	5855010308601	NTN	OPTL IMGR	3.70E+02
5855010473231	5855011299760	NTN	IMG CNVRT	3.70E+02
5855010586687		SU103/UA	OPTL IMGR	7.40E+02
5855010608521	5855012014857	ANVSG 2	OPTL IGMR	5.55E+03
5855010616751		DT 594 /UA	DET DWR	7.40E+01
5855010623115		NTN	AFCL ASSY	7.40E+03
5855010623116		NTN	LENS	1.48E+03
5855010623117		NTN	LENS	1.48E+03
5855010623121		NTN	LENS	1.11E+02
5855010623124		NTN	LENS	1.48E+02
5855010623126	5855010616751	NTN	DET DWR	7.40E+01
5855010631347		NTN	WINDOW	1.85E+03
5855010709552	5855010308595	SU108/TAS	DET DWR	3.70E+01
5855010709552	5855010308601	SU108/TAS	OPTL IMGR	3.70E+02
5855010823685		NTN	OPTL IMGR	1.07E+03
5855010823685	1430011902304	NTN	LENS	4.07E+02
5855010823685	UNKNOWN	NTN	LENS	2.22E+02
5855010823685A		SU121/UA	OPTL IMGR	1.07E+03
5855011091807		DT 617 /UA	DET DWR	7.40E+01
5855011346733	5855011091807	NTN	DET DWR	7.40E+01

**APPENDIX E**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5855011729992		DT 591 /UA	DET DWR	3.70E+01
5855011729992		DT 591A/UA	DET DWR	3.70E+01
5855012014857		SU103/UA	OPTL IMGR	7.40E+02
5855012100503		DT 617A/UA	DET DWR	7.40E+01
5855012525423		NTN	DET DWR	7.40E+01
5855012911126		NTN	DET DWR	7.40E+01
5855013512541		DT 635A/U	LENS	3.70E+01
5855013512541		DT 635A/U	LENS	3.70E+01
5865010764101		NTN	WINDOW	2.96E+02
5865010764102		NTN	MODULATOR	2.96E+02
5865010776320	5865010764102	ANALQ147A V1	MODULATOR	2.96E+02
5865010776321	5865010764101	ANALQ147A V2	WINDOW	2.96E+02
5985012795321		DT616/ANVDR2	PROBE WV	3.70E+01
6665002118695		ANPDR 56F	SOURCE	8.70E+03
6665011139530		ANPDR 56F	SOURCE	8.70E+03
6665012221425		ANVDR 2	RADIA SET	3.70E+01
6665012221425	5985012795321	ANVDR 2	PROBE WV	3.70E+01
6665013476100		ANPDR 77	RADIA SET	1.11E+03
6665013476100		ANPDR 77	SOURCE	1.07E+03
6665013476100	5985012795321	ANPDR 77	PROBE WV	3.70E+01
6720006644007	6760008638661	KE-4	LENS CONE	1.04E+04
6760000873737		LA-372A	LENS CONE	1.04E+04
6760007535152	6760008638661	KA-30A	LENS CONE	1.04E+04
6760007980794		NTN	LENS CONE	3.70E+06
6760008638661		LA-131A1	LENS CONE	1.04E+04



## **APPENDIX F**

# **AMCOM THORIUM COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE**





**APPENDIX F**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1005010991450		NTN	WIND ASSY	9.62E+02
1220013083019		NTN	TURRET	3.00E+03
1220013083019	5855012014857	NTN	OPTL IMAG	5.92E+02
1220013083019	6650011699328	NTN	CELL ASSY	1.11E+03
1220013083019	6650011718538	NTN	PRISM	3.33E+01
1220013083019	6650011718539	NTN	PRISM	1.04E+02
1220013083019	6650011763107	NTN	LENS	5.18E+02
1220013083019	6650011763108	NTN	LENS	6.29E+02
1240011694270		NTN	WINDOW	2.59E+02
1240011700860		NTN	WINDOW	1.59E+02
1240013062058		NTN	SUB ASSY	2.37E+02
1240013062058	6650011704394	NTN	PRISM	8.14E+01
1270011716199		NTN	WIND ASSY	5.55E+03
1270011716908		NTN	LENS	1.18E+02
1270011716909		NTN	LENS	1.18E+02
1270011718538		NTN	PRISM	3.33E+02
1270011718539		NTN	PRISM	1.04E+02
1270011722212		NTN	LENS	2.48E+02
1270012107639		NTN	BORESIGHT	2.59E+02
1270012107639	1240011694270	NTN	WINDOW	2.59E+02
1270012238910		NTN	BORESIGHT	2.59E+02
1270012238910	1240011694270	NTN	WINDOW	2.59E+02
1270012258336		NTN	TURRET	4.07E+03
1270012258336	5855012014857	NTN	OPTL IMAG	5.92E+02
1270012258336	6650011699328	NTN	CELL ASSY	2.18E+03
1270012258336	6650011718538	NTN	PRISM	3.33E+01
1270012258336	6650011718539	NTN	PRISM	1.04E+02
1270012258336	6650011763107	NTN	LENS	5.18E+02
1270012258336	6650011763108	NTN	LENS	6.29E+02
1270012326568		NTN	SUB ASSY	2.37E+02
1270012326568	6650011704394	NTN	PRISM	8.14E+01
1270012506615		NTN	BORESIGHT	2.59E+02
1270012506615	1240011694270	NTN	WINDOW	2.59E+02
1425011063089	1430011298798	NTN	IR RCVR	5.25E+03

**APPENDIX F**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1430010469594		ANTAS 5	TRACKER	7.40E+02
1430010469594	1430010495361	ANTAS 5	AFCL ASSY	3.33E+02
1430010469594	1430010709552	ANTAS 5	SIGHT ASS	4.07E+02
1430010469594	5855010308595	ANTAS 5	DET DWR	3.70E+01
1430010469594	5855010709552	ANTAS 5	BAS SIGHT	4.07E+02
1430010469594	UNKNOWN	ANTAS 5	AFCL CVR	3.70E+02
1430010495355		NTN	LENS ASSY	2.22E+02
1430010495360		NTN	LENS ASSY	1.11E+02
1430010495361		NTN	AFCL ASSY	3.33E+02
1430010495361	1430010495355	NTN	LENS ASSY	2.22E+02
1430010495361	1430010495360	NTN	LENS ASSY	1.11E+02
1430010709552		NTN	BAS SIGHT	4.07E+02
1430011049750		NTN	AFCL ASSY	7.51E+03
1430011049750	1430011553287	NTN	LENS	4.74E+03
1430011049750	1430011597961	NTN	LENS	2.96E+02
1430011049750	6650011555216	NTN	LENS	2.22E+02
1430011049750	6650011774247	NTN	PRISM	1.63E+03
1430011049750	6760011596998	NTN	LENS	3.70E+02
1430011049750	6760011625258	NTN	LENS	2.59E+02
1430011099106		11436885	WIN DEWAR	7.40E+01
1430011099106	1430011553287	11436885	LENS1WFOV	4.74E+03
1430011099106	1430011911669	11436885	LENS OPTL	4.44E+02
1430011099106	5855010527133	11436885	LENS3WFOV	2.22E+02
1430011099106	6650011555216	11436885	LENS FOC	2.22E+02
1430011099106	6650011774247	11436885	LENS2WFOV	1.63E+03
1430011298798		NTN	IR RCVR	8.66E+03
1430011298798	1430011049750	NTN	AFCL ASSY	7.51E+03
1430011553287		NTN	LENS WFOV	4.74E+03
1430011597961		NTN	LENS WFOV	2.96E+02
1430011902304		NTN	LENS	4.07E+02
1430011911669		NTN	LENS OPTL	4.44E+02
1430012137118		NTN	SIGHT UNT	3.78E+03
1430012137118	5855012490717	NTN	FLIR	3.78E+03
1430012721917		NTN	IR RCVR	8.66E+03

**APPENDIX F**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1430012721917	1430011049750	NTN	AFCL ASSY	7.51E+03
1430012914763		NTN	THRM IMAG	9.25E+02
1430012914763	1430013115162	NTN	AFCL ZOOM	9.25E+02
1430013115162		NTN	AFCL ZOOM	9.25E+02
1430013167766		NTN	AVEN, LRF	1.67E+03
1660002441774		NTN	SCROLL	3.07E+05
1660009409414		NTN	SCROLL	0.00E+00
2840000044106		NTN	HOUSING	0.00E+00
2840000044107		NTN	HOUSING	0.00E+00
2840000107856		NTN	SUPPORT	0.00E+00
2840000228578		NTN	CASE AXIA	2.40E+06
2840001074543		NTN	CASE COMP	2.40E+06
2840001344739		NTN	CASE COMP	2.33E+06
2840001875726		NTN	CASE COMP	2.40E+06
2840001988644		NTN	SUPPORT	2.15E+05
2840002205289		NTN	SUPPORT	8.51E+04
2840002441774		NTN	SCROLL	3.07E+05
2840002470425		NTN	HOUSING	0.00E+00
2840003147874		NTN	CASE COMP	2.96E+05
2840004307912		NTN	ADAPTER	0.00E+00
2840004327344		NTN	HOUSING	1.52E+06
2840004945485		NTN	ADAPTER	0.00E+00
2840006771732		NTN	HOUSING	2.85E+05
2840007396925		NTN	HOUSING	2.00E+05
2840007668625		NTN	HOUSING	1.18E+11
2840007794165		NTN	HOUSING	3.33E+05
2840007897805		NTN	HOUSING	1.48E+06
2840008607459		NTN	HOUSING	1.70E+06
2840008609503		NTN	HOUSING	1.70E+06
2840008768747		NTN	HOUSING	0.00E+00
2840008866018		NTN	CARRIER	4.33E+06
2840009024637		NTN	HOUSING	1.18E+11
2840009024644		NTN	HOUSING	2.55E+06
2840009152864		NTN	COVER	6.66E+04

**APPENDIX F**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
2840009155932		NTN	COVER	4.92E+05
2840009248635		NTN	COVER	4.92E+05
2840009253299		NTN	ADAPTER	1.67E+03
2840009254186		NTN	HOUSING	1.52E+06
2840009375617		NTN	HOUSING	1.18E+11
2840009409414		NTN	SCROLL	3.07E+05
2840009546117		NTN	COVER	2.18E+05
2840009572864		NTN	CARRIER	2.04E+06
2840009750253		NTN	HOUSING	1.74E+06
2840009769302		NTN	HOUSING	3.33E+05
2840009800301		NTN	BAFF ASSY	0.00E+00
2840009809471		NTN	SUPPORT	2.70E+05
2840010226976		NTN	HOUSING	1.18E+11
2840010228578		NTN	CASE COMP	2.96E+05
2840010644633		NTN	CASE COMP	2.40E+06
2840010978818		NTN	HOUSING	2.40E+06
2840011093085		NTN	CASE COMP	2.40E+06
2840011286580		NTN	CASE COMP	2.40E+06
2840011497102		NTN	CASE COMP	2.40E+06
2915009769308		NTN	ADAPTER	3.70E+03
3120002205289		NTN	SUPPORT	8.51E+04
4310001710300		NTN	AIR COMP	1.15E+05
4310001710300	4310007585498	NTN	CAP STG1	2.22E+04
4310001710300	4310007585511	NTN	CAP STG2	3.70E+04
4310001710300	4310007585520	NTN	HEAD STG1	5.55E+04
4310007585498		NTN	CAP STG1	2.22E+04
4310007585511		NTN	CAP STG2	3.70E+04
4310007585520		NTN	HEAD STG1	5.55E+04
585010377340		NTN	NV SIGHT	1.89E+03
5855010209552		SU109TAS		4.07E+02
5855010209552	5855010308595	SU109TAS	DET DWR	3.70E+01
5855010209552	5855010308601	SU109TAS	OPTL IMGR	3.70E+02
5855010298730		SU 93 TAS	BORESIGHT	2.22E+02
5855010298730	5855010677772	SU 93 TAS	OPTL WIND	2.22E+02

**APPENDIX F**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5855010298732		SU 94 TAS	AFCL CVR	1.48E+03
5855010298732		SU 94 TAS		4.07E+03
5855010298732	5855010677802	SU 94 TAS	LENS OPTL	1.11E+03
5855010298732	5855010703805	SU 94 TAS	LENS WFOV	1.48E+02
5855010298732	5855011474784	SU 94 TAS	LENS ASSY	3.70E+02
5855010308596		SU 95 TAS	AFCL CVR	1.48E+03
5855010308596	5855010677802	SU 95 TAS	LENS OPTL	1.11E+03
5855010308596	5855011474784	SU 95 TAS	LENS ASSY	3.70E+02
5855010377339		ANTAS 4	NV SIGHT	1.89E+03
5855010377339	5855010298730	ANTAS 4	BORESIGHT	2.22E+02
5855010377339	5855010298732	ANTAS 4	AFCL CVR	1.48E+03
5855010377339	5855010308595	ANTAS 4	DET DWR	3.70E+01
5855010377339	5855010709552	ANTAS 4	BAS SIGHT	4.07E+02
5855010377340		ANTAS 6	NV SIGHT	1.89E+03
5855010377340	5855010308595	ANTAS 6	DET DWR	3.70E+01
5855010377340	5855010308596	ANTAS 6	AFCL CVR	1.48E+03
5855010377340	5855010473231	ANTAS 6	BAS SIGHT	4.07E+02
5855010377340	5855010709552	ANTAS 6	BAS SIGHT	4.07E+02
5855010377340	5855011096433	ANTAS 6	BORESIGHT	2.22E+02
5855010377340	5855011109558	NTN	AFCL CVR	1.48E+03
5855010473231		SU109	BAS SIGHT	1.89E+03
5855010527133		NTN	LENS WFOV	2.22E+02
5855010616751		NTN	DET DWR	7.40E+01
5855010677741		NTN	LENS NFOV	2.22E+02
5855010677772		NTN	OPTL WIND	2.22E+02
5855010677802		NTN	LENS OPTL	1.11E+03
5855010703805		NTN	LENS WFOV	1.48E+02
5855010709552		SU108/TAS		4.07E+02
5855010709552	5855010308601	SU108TAS	OPTL IMGR	3.70E+02
5855010823685	1430011911669	NTN	LENS	4.44E+02
5855010823685B		NTN	OPTL IMGR	7.40E+02
5855010839051		ANUAS 11	NV SET	2.11E+03
5855010839051	5855010298730	NTN	BORESIGHT	2.22E+02
5855010839051	5855010377340	NTN	NV SIGHT	1.89E+03

**APPENDIX F**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5855010839052		ANUAS 11 V2	NV SET	2.11E+03
5855010839052	585010377340	NTN	NV SIGHT	1.89E+03
5855010839052	5855010298730	ANUAS 11 V2	BORESIGHT	2.22E+02
5855010839052	5855010308596	ANUAS 11 V2	AFCL CVR	1.48E+03
5855010839052	5855010709552	ANUAS 11 V2	BAS SIGHT	4.07E+02
5855010839053		ANUAS 12	NV SET	2.11E+03
5855010839053	5855010298730	NTN	BORESIGHT	2.22E+02
5855010839053	5855010377339	A70349	NV SIGHT	1.89E+03
5855011096433		SU 93ATAS	BORESIGHT	2.22E+02
5855011099643		NTN	BORESIGHT	2.22E+02
5855011109558		SU 95	AFCL CVR	1.48E+03
5855011109558	5855010677802	SU 95	LENS OPTL	1.11E+03
5855011109558	5855011474784	SU 95	L SWITCH	3.70E+02
5855011113962		NTN	AFCL ASSY	1.48E+03
5855011127723		NTN	AFCL ASSY	1.48E+03
5855011127725		NTN	SIGHT ASS	4.07E+02
5855011127725	5855010308595	NTN	DET DWR	3.70E+02
5855011127725	5855010308601	NTN	OPTL IMGR	3.70E+01
5855011182227		SU 94BTAS	AFCL CVR	1.48E+03
5855011182227		SU 94BTAS		2.59E+03
5855011182227	5855010677802	SU 94BTAS	LENS OPTL	1.11E+03
5855011299760		NTN	IMG CNVRT	3.70E+02
5855011433182		SU108ATAS		4.07E+02
5855011433182	5855011299760	SU108ATAS	IMG CNVRT	3.70E+02
5855011433182	5855011729992	SU108ATAS	DET DWR	3.70E+01
5855011433183		ANTAS 4A	NV SIGHT	1.89E+03
5855011433183	5855011096433	ANTAS 4A	BORESIGHT	2.22E+02
5855011433183	5855011433182	ANTAS 4A	BAS SIGHT	4.07E+02
5855011433183	5855011439390	ANTAS 4A	AFCL CVR	1.48E+03
5855011439390		SU 94DTAS		1.48E+03
5855011439390	5855010677802	SU 94DTAS	LENS OPTL	1.11E+03
5855011439390	5855011474782	SU 94DTAS	LENS ASSY	3.70E+02
5855011474782		NTN	LENS ASSY	3.70E+02
5855011474784		NTN	L SWITCH	3.70E+02

**APPENDIX F**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5855011474784	5855010677741	NTN	LENS/CELL	2.22E+02
5855011474784	5855010703805	NTN	LENS/CELL	1.48E+02
5855011528781		ANUAS 12A	NV SET	2.11E+03
5855011528781	5855011096433	ANUAS 12A	BORESIGHT	2.22E+02
5855011528781	5855011433183	ANUAS 12A	NV SIGHT	1.89E+03
5855011541402		ANTAS 4B	NV SIGHT	1.89E+03
5855011541402	5855010308595	ANTAS 4B	DET DWR	3.70E+01
5855011541402	5855011099643	ANTAS 4B	BORESIGHT	2.22E+02
5855011541402	5855011433182	ANTAS 4B	BAS SIGHT	4.07E+02
5855011541402	5855011439390	ANTAS 4B	AFCL CVR	1.48E+03
5855011730808		ANUAS 12B	NV SET	2.11E+03
5855011730808	5855011096433	ANUAS 12B	BORESIGHT	2.22E+02
5855011730808	5855011541402	ANUAS 12B	NV SIGHT	1.89E+03
5855012102995		NTN	BAS SIGHT	4.07E+02
5855012124996		ANUAS 12D	NV SET	2.11E+03
5855012124996	5855011096433	ANUAS 12D	BORESIGHT	2.22E+02
5855012124996	5855012181646	ANUAS 12D	NV SIGHT	1.89E+03
5855012124997		ANUAS 12C	NV SET	2.11E+03
5855012124997	5855011096433	ANUAS 12C	BORESIGHT	2.22E+02
5855012124997	5855012186992	ANUAS 12C	NV SET	1.89E+03
5855012181646		ANTAS 4D	NV SIGHT	1.89E+03
5855012181646	5855012102995	ANTAS 4D	BAS SIGHT	4.07E+02
5855012181646	5855012408783	ANTAS 4D	AFCL CVR	1.48E+03
5855012186992		ANTAS 4C	NV SIGHT	1.89E+03
5855012186992	5855010308595	ANTAS 4C	DET DWR	3.70E+01
5855012186992	5855011096433	ANTAS 4C	BORESIGHT	2.22E+02
5855012186992	5855011433183	ANTAS 4C	BAS SIGHT	4.07E+02
5855012186992	5855011439390	ANTAS 4C	AFCL CVR	1.48E+03
5855012408783		NTN	AFCL CVR	1.48E+03
5855012444976		NTN	NV SET	2.11E+03
5855012449785		ANUAS 11A	NV SET	2.11E+03
5855012449785	5855010298730	NTN	BORESIGHT	2.22E+02
5855012449785	5855012444976	NTN	NV SIGHT	1.89E+03
5855012458689	5855012502343	ANUAS 12A	NV SET	2.11E+03

**APPENDIX F**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5855012485720		NTN	BAS SIGHT	4.07E+02
5855012490717		NTN	FLIR	3.78E+03
5855012502343		ANTAS 4A		2.11E+03
5855012502343		NTN	BAS SIGHT	2.11E+03
5855012502343	5855010308595	ANTAS 4A	DET DWR	3.70E+01
5855012502343	5855011096433	ANTAS 4A	BORESIGHT	2.22E+02
5855012502343	5855011433182	ANTAS 4A	BAS SIGHT	4.07E+02
5855012502343	5855011439390	ANTAS 4A	AFCL CVR	1.48E+03
5855012819699		ANTAS 4C	BAS SIGHT	2.11E+03
5855012819699	5855010308595	ANTAS 4C	DET DWR	3.70E+01
5855012819699	5855012485720	ANTAS 4C	BAS SIGHT	4.07E+02
5855012819699	5855012485722	ANTAS 4C	AFCL CVR	1.48E+03
5855012819700		ANUAS 12C	NV SET	2.11E+03
5855012819700	5855012485724	ANUAS 12C	BORESIGHT	2.22E+02
5855012819700	5855012819699	ANUAS 12C	NV SIGHT	1.89E+03
5855012819700	5855012894650	ANTAS 4C	BAS SIGHT	4.07E+02
5855012894650		NTN	BAS SIGHT	4.07E+02
5855013008215		ANTAS 4C	NV SIGHT	1.89E+03
5855013008215	5855010308595	ANTAS 4C	DET DWR	3.70E+01
5855013008215	5855013074517	ANTAS 4C	BAS SIGHT	4.07E+02
5855013008215	5855013074519	ANTAS 4C	AFCL CVR	1.48E+03
5855013010158		ANUAS 12C	NV SET	2.11E+03
5855013010158	5855011096433	ANUAS 12C	BORESIGHT	2.22E+02
5855013010158	5855013008215	ANUAS 12C	NV SIGHT	1.89E+03
5855013062056		NTN	RECEIVER	7.40E+03
5855013062056	1240011700860	NTN	WINDOW	1.59E+02
5855013062056	1270011716199	NTN	WIND ASSY	5.55E+03
5855013062056	5855012014857	NTN	IMAGER	5.92E+02
5855013062056	6650001718538	NTN	PRISM	3.33E+01
5855013062056	6650011716908	NTN	LENS	1.26E+02
5855013062056	6650011716909	NTN	LENS	1.18E+02
5855013062056	6650011718539	NTN	PRISM	1.04E+02
5855013062056	6650011722212	NTN	LENS	2.48E+02
5855013062056	6650011727864	NTN	LENS	4.81E+02



**APPENDIX F**  
**TH232 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5855013062056	6760011700861	NTN	LENS,WIDE	7.03E+01
5855013065655		NTN	RECEIVER	4.07E+03
5855013065655	1240011700860	NTN	WINDOW	1.59E+02
5855013065655	1270011716199	NTN	WIND ASSY	5.55E+03
5855013065655	6650011716908	NTN	LENS	1.26E+02
5855013065655	6650011716909	NTN	LENS	1.18E+02
5855013065655	6650011718538	NTN	PRISM	3.33E+01
5855013065655	6650011718539	NTN	PRISM	1.04E+02
5855013065655	6650011722212	NTN	LENS	2.48E+02
5855013065655	6650011727864	NTN	LENS	4.81E+02
5855013065655	6760011700861	NTN	LENS, WIDE	7.03E+01
5855013074517		NTN	BAS SIGHT	4.07E+02
5855013074519		NTN	AFCL CVR	1.48E+03
6650001718538		NTN	PRISM	3.33E+01
6650011555216		NTN	LENS FOC	2.22E+02
6650011699328		NTN	CELL ASSY	2.18E+03
6650011699328		NTN	CELL ASSY	1.11E+03
6650011704394		NTN	PRISM	8.14E+01
6650011716908		NTN	LENS	1.26E+02
6650011716909		NTN	LENS	1.18E+02
6650011718538		NTN	PRISM	3.33E+01
6650011718539		NTN	PRISM	1.04E+02
6650011722212		NTN	LENS	2.48E+02
6650011727864		NTN	LENS	4.81E+02
6650011763107		NTN	LENS	5.18E+02
6650011763108		NTN	LENS	6.29E+02
6650011774247		NTN	LENS WFOV	1.63E+03
6650011774247		NTN	LENS WFOV	1.63E+03
6760011596998		NTN	LENS	3.70E+02
6760011625258		NTN	LENS WFOV	2.59E+02
6760011700860		NTN	LENS WIDE	1.59E+02
6760011700861		NTN	LENS, WIDE	7.03E+01



## **APPENDIX G**

# **TACOM-RI TRITIUM COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE**



**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1005000739421		M16A1	RIFLE, 5.5	3.33E+08
1005000739421	1005000739421	M16A1	RIFLE, 5.5	3.33E+08
1005000739421	1005002341568	M16A1	POST ASSE	3.33E+08
1005001489114	1005002341568	NTN	POST ASSY	3.33E+08
1005002341568		NTN	POST ASSY	3.33E+08
1005013400096		M11	PISTOL, 9	2.00E+09
1005013400096	1005013400096	M11	PISTOL, 9	2.00E+09
1005013400096	1005013598429	M11	SIGHT, FRO	6.66E+08
1005013400096	1005013598431	M11	SIGHT, REA	1.33E+09
1005013406037		M16A1	RIFLE, 5.5	3.33E+08
1005013406037	1005002341568	M16A1	POST ASSE	3.33E+08
1005013406037	1005013406037	M16A1	RIFLE, 5.5	3.33E+08
1005013598429		NTN	SIGHT, FRO	6.66E+08
1005013598431		NTN	SIGHT, REA	1.33E+09
1010010205626	1010010205626	M224	MORTAR, 60	1.07E+12
1010010205626	1010010432050	M224	HANDLE AN	1.18E+11
1010010205626	1240011741726	M224	SIGHTUNIT	2.48E+11
1010010205626	1290001691934	M224	LIGHT, AIM	1.85E+11
1010010205626	1290001691935	M224	LIGHT, AIM	3.33E+11
1010010432050	1010010432050	M224	HANDLE AN	1.18E+11
1010010432050	1010011153128	M224	RANGE IND	1.18E+11
1010010432050	1010012379033	M224	RANGE IND	1.18E+11
1010010432050	N/A	M224	SCALE	1.18E+11
1010010432050	N/A	M224	RANGE IND	1.18E+11
1010010468398		NTN	RANGE IND	1.18E+11
1010010838133	1010011153128	NTN	RANGE IND	1.18E+11
1010011153128		NTN	RANGE IND	1.18E+11
1010012379033		NTN	RANGE IND	1.18E+11
1015000868164	1015000868164	M102	HOWITZER,	9.19E+11
1015000868164	1240001508886	M102	TELESCOPE	1.41E+11
1015000868164	1240001508889	M102	TELESCOPE	2.07E+11
1015000868164	1240001508890	M102	MOUNT, TEL	5.55E+09
1015000868164	1240003321780	M102	COLLIMATO	3.70E+11
1015000868164	1290001508891	M102	QUADRANT,	8.14E+10

**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1015000868164	1290001691937	M102	QUADRANT,	2.78E+09
1015000868164	4931003415119	M102	ALIGNMENT	1.11E+11
1015000868164	4931011879713	M102	ALIGNMENT	1.11E+11
1015003229728	1015003229728	M101	HOWITZER,	3.70E+11
1015003229728	1240003321780	M101	COLLIMATO	3.70E+11
1015003229752	1015003229752	M101A1	HOWITZER,	3.70E+11
1015003229752	1240003321780	M101	COLLIMATO	3.70E+11
1015006784317	1230010766702	M 68	CANNON	2.66E+11
1015010929085			CANNON	2.66E+11
1015011224326		NTN	MOD KIT	3.18E+11
1015011646651	1015011646651	M252	MORTAR, 81	9.51E+11
1015011646651	1240013797953	M252	SIGHTUNIT	2.48E+11
1015011646651	1290001691934	M252	LIGHT, AIM	1.85E+11
1015011646651	1290001691935	M252	LIGHT, AIM	3.33E+11
1015012261672	1015012261672	M120	MORTAR, 12	9.17E+11
1015012261672	1240013667322	M120/M121	SIGHTUNIT	2.14E+11
1015012261672	1290001691934	M120/M121	LIGHT, AIM	1.85E+11
1015012261672	1290001691935	M120/M121	LIGHT, AIM	3.33E+11
1015012480859	1015012480859	M119	HOWITZER,	8.30E+11
1015012480859	1240003321780	M119A1	COLLIMATO	3.70E+11
1015012480859	1240012770472	M119A1	TELESCOPE	1.89E+11
1015012480859	1240012770474	M119A1	MOUNT, TEL	9.80E+10
1015012480859	1240012772875	M119A1	TELESCOPE	5.92E+10
1015012480859	1290001691937	M119A1	QUADRANT,	2.78E+09
1015012480859	4931003415119	M119A1	ALIGNMENT	1.11E+11
1015012480859	4931011879713	M119A1	ALIGNMENT	1.11E+11
1015012783843			C PARTKIT	3.70E+11
1015012923801	1015012923801	M121	MORTAR, 12	9.17E+11
1015012923801	1240013667322	M120/M121	SIGHTUNIT	2.14E+11
1015012923801	1290001691934	M120/M121	LIGHT, AIM	1.85E+11
1015012923801	1290001691935	M120/M121	LIGHT, AIM	3.33E+11
1015013081872	1015013081872	M119A1	HOWITZER,	8.30E+11
1015013081872	1240003321780	M119A1	COLLIMATO	3.70E+11
1015013081872	1240012770472	M119A1	TELESCOPE	1.89E+11

**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1015013081872	1240012770474	M119A1	MOUNT, TEL	9.80E+10
1015013081872	1240012772875	M119A1	TELESCOPE	5.92E+10
1015013081872	1290001691937	M119A1	QUADRANT,	2.78E+09
1015013081872	4931003415119	M119A1	ALIGNMENT	1.11E+11
1015013081872	4931011879713	M119A1	ALIGNMENT	1.11E+11
1015013141770		M3	FLARE SIG	7.77E+09
1015013141770		M3	FLARE SIG	7.77E+09
1015013141770		M3	RIFLE, REC	7.77E+09
1015013141770	1015013141770	M3	RIFLE, REC	7.77E+09
1025003229755		M 114	HOWITIZER	3.70E+11
1025003229768	1240003321780	M 114 A1	HOWITIZER	3.70E+11
1025003329755	1240003321780	M 114 WM1A1	COLL INFI	3.70E+11
1025010259857	1240003321780	M 114 A2	HOWITIZER	3.70E+11
1025010266648	1025010266648	M198	HOWITZER,	9.83E+11
1025010266648	1240003321780	M198	COLLIMATO	3.70E+11
1025010266648	1240010380530	M198	TELESCOPE	1.63E+11
1025010266648	1240010380531	M198	TELESCOPE	1.89E+11
1025010266648	1240010397273	M198	MOUNT, TEL	5.55E+09
1025010266648	1290001691937	M198	QUADRANT,	2.78E+09
1025010266648	1290010373883	M198	QUADRANT,	7.03E+10
1025010266648	1290010377289	M198	QUADRANT,	7.21E+10
1025010266648	4931010485834	M198	ALIGNMENT	1.11E+11
1230010766702		NTN	MRS	3.70E+11
1240001508886	1240001508886	M113A1	TELESCOPE	1.41E+11
1240001508886	6260002572770	M113A1	LAMP, NUCL	2.96E+10
1240001508886	6260002572774	M113A1	LAMP, NUCL	3.70E+10
1240001508886	6260002572776	M113A1	LAMP, NUCL	2.96E+10
1240001508886	6260010964479	M113A1	LAMP, NUCL	4.44E+10
1240001508886	N/A	M113A1	HOUSING &	4.44E+10
1240001508886	N/A	M113A1	ADAPTER A	9.62E+10
1240001508889	1240001508889	M114A1	TELESCOPE	2.07E+11
1240001508889	1240002572759	M114A1	CELL ASSE	1.63E+11
1240001508889	6260011353161	M114A1	LAMP, NUCL	4.44E+10
1240001508889	N/A	M114A1	LIGHT ASSY	1.63E+11

**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1240001508889	N/A	M114A1	RETICLE S	4.44E+10
1240001508890	1240001508890	M134A1	MOUNT, TEL	5.55E+09
1240001508890	1240011425381	M134A1	LEVEL ASSY	5.55E+09
1240001508890	1290002572769	M134A1	LEVEL, FIR	5.55E+09
1240001508890	N/A	M134A1	LEVEL VIA	2.78E+09
1240002572759		NTN	CELL ASSY	8.14E+10
1240002572770		NTN	PT SPHERE	2.96E+10
1240002572771			LGT SOURC	3.70E+10
1240002572771	6260010964479	NTN	LAMP NUCL	3.70E+10
1240002572772		NTN	PT SPHERE	1.48E+10
1240002572773			LAMP NUCL	1.85E+10
1240002572774	6260011143142	NTN	LAMP NUCL	1.85E+10
1240002572776		NTN	LGT ASSY	1.48E+10
1240003321779	1240010795453	NTN	CELL ASSY	3.70E+11
1240003321780	1240003321780	M1A1	COLLIMATO	3.70E+11
1240003321780	1240010795453	M1A1	CELL ASSE	3.70E+11
1240003321780	1240011241358	M1A1	COLLIMATO	3.70E+11
1240003321780	9999003321779	M1A1	MODIFICAT	3.70E+11
1240003321780	N/A	M1A1	LAMP	3.70E+11
1240003321783		NTN	LAMP NUCL	3.70E+11
1240010377289			QUADRANT	1.48E+13
1240010380530	1240010380530	M138	TELESCOPE	1.63E+11
1240010380530	1240010480779	M138	CELL ASSE	1.63E+11
1240010380530	6260011137947	M138	LAMP, NUCL	1.63E+11
1240010380530	N/A	M138	LIGHT SOU	1.63E+11
1240010380531	1240010380531	M137	TELESCOPE	1.89E+11
1240010380531	1240010439463	M137	OBJECTIVE	8.88E+10
1240010380531	1240010446915	M137	COUNTER B	9.99E+10
1240010380531	1240010628264	M137	TELESCOPE	8.88E+10
1240010380531	6240010438209	M137	LAMP, NUCL	9.99E+10
1240010380531	6260010519606	M137	LAMP, NUCL	8.88E+10
1240010397273	1240010397273	M171	MOUNT, TEL	5.55E+09
1240010397273	1290002572769	M171	LEVEL, FIR	5.55E+09
1240010438209		NTN	LAMP NUCL	9.99E+10



**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1240010439463		NTN	OBJ RETC	2.22E+10
1240010446915			BOX ASSY	9.99E+10
1240010446915	1290010438209	NTN	LAMP ASSY	9.99E+10
1240010480779			CELL ASSY	8.14E+10
1240010480779	6260010480694	NTN	LAMP NUCL	8.14E+10
1240010505588		NTN	MNT TLSCP	1.89E+11
1240010505588	1240010518472	NTN	LAMP UNIT	2.59E+09
1240010505588	1240010570112	NTN	LEVEL FC	1.85E+09
1240010505588	5355010533347	NTN	DIAL CONT	7.40E+10
1240010505588	5355010533354	NTN	SCALE IND	4.44E+10
1240010505588	5355010533356	NTN	LAMP NUCL	1.11E+09
1240010505588	6260010562883	NTN	LAMP NUCL	3.70E+10
1240010513657		NTN	ELB TLSCP	2.48E+11
1240010518472		NTN	LAMP UNIT	2.78E+09
1240010533354		NTN	IND SCALE	4.44E+10
1240010570112		NTN	LEVEL FC	1.85E+09
1240010628264		NTN	BODY ASSY	8.88E+10
1240010628264	1240010439463	NTN	OBJ RETC	2.22E+10
1240010628264	UNKNOWN	NTN	BODY ASSY	8.88E+10
1240010795453	1240011142481	NTN	CELL ASSY	3.70E+11
1240011142481	1240003321783	NTN	CELL ELEM	3.70E+11
1240011143085		NTN	ADTR ASSY	9.62E+10
1240011143085	1240002572770	NTN	PT SPHERE	1.48E+10
1240011143085	1240002572774	NTN	LGT ASSY	1.85E+10
1240011143085	1240002572776	NTN	LGT ASSY	1.48E+10
1240011241358			SCOP ASSY	3.70E+11
1240011241358	1240010795453	NTN	CELL ASSY	3.70E+10
1240011384777		NTN	OPTL ELEM	3.70E+10
1240011393552			LEVEL FC	5.55E+09
1240011393552	1290002572769	NTN	LAMP NUCL	5.55E+09
1240011425381	1290002572769	NTN	LEVEL FC	2.78E+09
1240011431613			MRS	3.70E+11
1240011431614		NTN	BSPLITTER	3.70E+11
1240011446915	1240010438209	NTN	LAMP NUCL	9.99E+10

**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1240011741726	1240010505588	M64	MOUNT, TEL	1.88E+11
1240011741726	1240010513657	M64	TELESCOPE	5.92E+10
1240011741726	1240010518472	M64	LAMP UNIT	2.59E+10
1240011741726	1240010570112	M64	LEVEL, FIR	3.70E+09
1240011741726	1240011741726	M64	SIGHTUNIT	2.48E+11
1240011741726	1240012018299	M64	MOUNT, TEL	1.88E+11
1240011741726	1240012113608	M64	TELESCOPE	5.92E+10
1240011741726	5355010533354	M64	SCALE, IND	4.44E+10
1240011741726	5355010536448	M64	DIAL, CONT	7.40E+10
1240011741726	5355012128527	M64	DIAL, CONT	7.40E+10
1240011741726	6260010533356	M64	LAMP, NUCL	3.33E+09
1240011741726	6260010562883	M64	LAMP, NUCL	3.70E+10
1240011741726	N/A	M64	DIAL, CONT	7.40E+10
1240011741726	N/A	M64	KNOB ASSY	2.59E+10
1240011741726	N/A	M64	RETICLE	5.92E+10
1240011816025			MRS	3.70E+11
1240011871057		NTN	COLL INFI	3.70E+11
1240011871057	4931011363615	NTN	COLL TELE	3.70E+11
1240011959315		NTN	THRM TELE	3.33E+03
1240012018299		NTN	TLSCP MNT	1.89E+11
1240012018299	1240010518472	NTN	LAMP UNIT	2.59E+08
1240012018299	1240010570112	NTN	LEVEL FC	1.85E+09
1240012018299	1240012128472	NTN	INDEX	1.11E+09
1240012018299	5355012128526	NTN	DIAL SCAL	4.44E+10
1240012018299	5355012128527	NTN	DIAL SCAL	7.40E+10
1240012018299	6260010562883	NTN	LAMP NUCL	3.70E+10
1240012027928		NTN	CELL ASSY	3.70E+11
1240012027929		NTN	CELL ASSY	3.70E+11
1240012059663	1240011431614	NTN	CELL ASSY	3.70E+11
1240012113608		NTN	ELB TLSCP	5.92E+10
1240012128472			MNT TLSCP	3.33E+08
1240012128472		NTN	LAMP UNIT	2.59E+09
1240012369137		NTN	COLL INFI	3.70E+11
1240012750077			MRS	3.70E+05

**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1240012766628			COLL INFI	3.70E+11
1240012770472	1240010439463	M137A1	OBJECTIVE	8.88E+10
1240012770472	1240010446915	M137A1	COUNTER B	9.99E+10
1240012770472	1240010628264	M137A1	TELESCOPE	8.88E+10
1240012770472	1240012770472	M137A1	TELESCOPE	1.89E+11
1240012770472	6240010438209	M137A1	LAMP, NUCL	9.99E+10
1240012770472	6260010519606	M137A1	LAMP, NUCL	8.88E+10
1240012770473			MNT& QUAD	0.00E+00
1240012770474	1240012770474	M187	MOUNT, TEL	9.80E+10
1240012770474	1240012805337	M187	TELESCOPE	9.25E+10
1240012770474	1240012879711	M187	LEVEL, FIR	5.55E+09
1240012770474	1290002572769	M187	LEVEL, FIR	2.78E+09
1240012770474	6240010438209	M187	LAMP, NUCL	3.33E+10
1240012770474	6260012838659	M187	LAMP, NUCL	5.92E+10
1240012772875	1240012772875	M90A2	TELESCOPE	5.92E+10
1240012772875	6260012801795	M90A2	LAMP, NUCL	5.92E+10
1240012772875	6650012879710	M90A2	RETICLE, O	5.92E+10
1240012783843			C PARTKIT	3.70E+11
1240012805337			SUB ASSY	7.77E+09
1240012879711			LEVEL FC	5.55E+09
1240013138932			COLL INFI	3.70E+11
1240013193983		NTN	PARTS KIT	3.70E+11
1240013193983		NTN	PARTS KIT	3.70E+11
1240013242217		NTN	COLLIMATO	3.70E+11
1240013565887		NTN	COLLIMATO	3.70E+11
1240013667322	1240010518472	M67	LAMP UNIT	2.59E+10
1240013667322	1240010570112	M67	LEVEL, FIR	3.70E+09
1240013667322	1240013667322	M67	SIGHTUNIT	2.14E+11
1240013667322	5355013422421	M67	DIAL, CONT	7.40E+10
1240013667322	5355013431793	M67	DIAL, SCAL	4.07E+10
1240013667322	6260010562883	M67	LAMP, NUCL	3.70E+10
1240013667322	6260012128472	M67	INDEX, MOU	3.33E+09
1240013667322	6650013406082	M67	MOUNT, TEL	1.85E+11
1240013667322	6650013415195	M67	TELESCOPE	2.96E+10

**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1240013667322	N/A	M67	KNOB ASSY	7.40E+10
1240013667322	N/A	M67	KNOB ASSY	2.59E+10
1240013667322	N/A	M67	RETICLE	2.96E+10
1240013797953	1240010505588	M64A1	MOUNT, TEL	1.89E+11
1240013797953	1240010513657	M64A1	TELESCOPE	5.92E+10
1240013797953	1240010518472	M64A1	LAMP UNIT	2.59E+10
1240013797953	1240010570112	M64A1	LEVEL, FIR	3.70E+09
1240013797953	1240012018299	M64A1	MOUNT, TEL	1.89E+11
1240013797953	1240012113608	M64A1	TELESCOPE	5.92E+10
1240013797953	1240013797953	M64A1	SIGHTUNIT	2.48E+11
1240013797953	5355012128526	M64A1	DIAL, SCAL	4.44E+10
1240013797953	5355012128527	M64A1	DIAL, CONT	7.40E+10
1240013797953	6260010562883	M64A1	LAMP, NUCL	3.70E+10
1240013797953	6260012128472	M64A1	INDEX, MOU	3.33E+09
1240013797953	N/A	M64A1	KNOB ASSY	2.59E+10
1240013797953	N/A	M64A1	RETICLE	5.92E+10
1240013797953	N/A	M64A1	KNOB ASSY	7.40E+10
1240013803125		NTN	COLLIMATO	3.70E+11
1240014090784		NTN	COLLIMATO	3.70E+11
1240999629583		NTN	ELB TLSCP	8.14E+10
1240999629583	1240999644312	NTN	CELL RETC	4.07E+10
1240999629583	1240999644325	NTN	CELL RETC	4.07E+10
1240999642698		NTN	DIAL INDI	7.77E+10
1240999642698	1240999642700	NTN	BODY ASSY	7.84E+10
1240999642700		NTN	BODY ASSY	7.84E+10
1240999642700	1240999642704	NTN	LEVEL FC	9.99E+09
1240999642700	5355999636720	NTN	DIAL PNTR	1.89E+10
1240999642700	5355999642703	NTN	DIAL PNTR	3.96E+10
1240999642704		NTN	LEVEL FC	9.99E+09
1240999642704	6260999959712	NTN	LAMP NUCL	9.99E+09
1240999644020		NTN	INDX ASSY	3.77E+10
1240999644020	6260999959588	NTN	LAMP NUCL	1.89E+10
1240999644022		NTN	LWR ASSY	7.03E+09
1240999644022	1240999644033	NTN	CELL ASSY	7.03E+09

**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1240999644033		NTN	CELL ASSY	7.03E+09
1240999644033	6260999654933	NTN	LAMP NUCL	7.03E+09
1240999644080		NTN	DIAL SGHT	8.88E+10
1240999644080	1240999644020	NTN	INDX ASSY	3.77E+10
1240999644080	1240999644022	NTN	LWR ASSY	7.03E+09
1240999644312		NTN	CELL RETC	4.07E+10
1240999644312	6269999959499	NTN	LAMP NUCL	2.04E+10
1240999644325		NTN	CELL RETC	4.07E+10
1240999644325	6269999959499	NTN	LAMP NUCL	2.04E+10
1270010838133		NTN	RANGE IND	1.18E+11
1290001508891	1240011393552	M14A1	LEVEL, FIR	5.55E+09
1290001508891	1290001508891	M14A1	QUADRANT,	8.14E+10
1290001508891	1290002572769	M14A1	LEVEL, FIR	5.55E+09
1290001508891	6260002572773	M14A1	LAMP, NUCL	7.40E+10
1290001508891	N/A	M14A1	LEVEL VIA	2.78E+09
1290001508891	N/A	M14A1	COVER ASSY	7.40E+10
1290001691934	1290001691934	M58	LIGHT, AIM	1.85E+11
1290001691934	N/A	M58	REFERENCE	1.85E+11
1290001691935	1290001691935	M59	LIGHT, AIM	3.33E+11
1290001691935	N/A	M59	REFERENCE	3.33E+11
1290001691937	1290001691937	M1A2	QUADRANT,	2.78E+09
1290001691937	1290002572765	M1A2	LEVEL, FIR	2.78E+09
1290002572765		NTN	LEVEL FC	2.78E+09
1290002572769	6260011143141	NTN	LEVEL FC	2.78E+09
1290002572773	6260011143142	NTN	LGT ASSY	1.85E+10
1290010373883	1290002572769	M17	LEVEL, FIR	2.78E+09
1290010373883	1290010373883	M17	QUADRANT,	7.03E+10
1290010373883	1290010480193	M17	LEVEL ASS	2.78E+09
1290010373883	6240010438209	M17	LAMP, NUCL	6.66E+10
1290010373883	N/A	M17	COVER ASSY	6.66E+10
1290010377289	1290002572769	M18	LEVEL, FIR	2.78E+09
1290010377289	1290002572769	M18	LEVEL, FIR	2.78E+09
1290010377289	1290010377289	M18	QUADRANT,	7.21E+10
1290010377289	1290010463687	M18	LEVEL, FIR	2.78E+09

**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1290010377289	1290010480193	M18	LEVEL ASS	2.78E+09
1290010377289	6240010438209	M18	LAMP, NUCL	6.66E+10
1290010377289	N/A	M18	COVER ASSY	6.66E+10
1290010438209			LAMP NUCL	3.33E+10
1290010438209		NTN	LAMP NUCL	1.67E+10
1290010446915			BOX ASSY	9.99E+10
1290010463687	1290002572769	NTN	LEVEL FC	2.78E+09
1290010480193		NTN	LEVL ASSY	2.78E+09
1290011241358			COLL INFI	3.70E+11
1290011431614		NTN	CELL ASSY	3.70E+11
1290011456262	1290002572765	NTN	QUAD FC	2.78E+09
1340000074889		M 72 A1	LAW RCKET	1.11E+08
2350000014013	1240003321780	M109/M110	COLLIMATO	3.70E+11
2350000014013	1290001691937	M109/M110	QUADRANT,	2.78E+09
2350000014013	2350000014013	M109A1	HOWITZER,	4.84E+11
2350000014013	4931011879713	M109/M110	ALIGNMENT	1.11E+11
2350004366635	1240003321780	M109/M110	COLLIMATO	3.70E+11
2350004366635	1290001691937	M109/M110	QUADRANT,	2.78E+09
2350004366635	2350004366635	M110A1	GUN, FIELD	4.84E+11
2350004366635	4931011879713	M109/M110	ALIGNMENT	1.11E+11
2350004396243	1240003321780	M109/M110	COLLIMATO	3.70E+11
2350004396243	1290001691937	M109/M110	QUADRANT,	2.78E+09
2350004396243	2350004396243	M110	HOWITZER,	4.84E+11
2350004396243	4931011879713	M109/M110	ALIGNMENT	1.11E+11
2350004408811	1240003321780	M109/M110	COLLIMATO	3.70E+11
2350004408811	1290001691937	M109/M110	QUADRANT,	2.78E+09
2350004408811	2350004408811	M109	HOWITZER,	4.84E+11
2350004408811	4931011879713	M109/M110	ALIGNMENT	1.11E+11
2350004859662	1240003321780	M109/M110	COLLIMATO	3.70E+11
2350004859662	1290001691937	M109/M110	QUADRANT,	2.78E+09
2350004859662	2350004859662	M109A1	HOWITZER,	4.84E+11
2350004859662	4931011879713	M109/M110	ALIGNMENT	1.11E+11
2350010133914	1240003321780	M109/M110	COLLIMATO	3.70E+11
2350010133914	1290001691937	M109/M110	QUADRANT,	2.78E+09

**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
2350010133914	2350010133914	M110	HOWITZER	4.84E+11
2350010133914	4931011879713	M109/M110	ALIGNMENT	1.11E+11
2350010310586	1240003321780	M109/M110	COLLIMATO	3.70E+11
2350010310586	1290001691937	M109/M110	QUADRANT,	2.78E+09
2350010310586	2350010310586	M109A2	HOWITZER,	4.84E+11
2350010310586	4931011879713	M109/M110	ALIGNMENT	1.11E+11
2350010318851	1240003321780	M109/M110	COLLIMATO	3.70E+11
2350010318851	1290001691937	M109/M110	QUADRANT,	2.78E+09
2350010318851	2350010318851	M109A3	HOWITZER,	4.84E+11
2350010318851	4931011879713	M109/M110	ALIGNMENT	1.11E+11
2350010414590	1240003321780	M109/M110	COLLIMATO	3.70E+11
2350010414590	1290001691937	M109/M110	QUADRANT,	2.78E+09
2350010414590	2350010414590	M110A2	HOWITZER,	4.84E+11
2350010414590	4931011879713	M109/M110	ALIGNMENT	1.11E+11
2350010612445		M1	M1 TANK	3.70E+11
2350010612445	1240011363615	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	1240011363615	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	1240011431613	M1/IPM1	CELL ASSE	3.70E+11
2350010612445	1240011431614	M1/IPM1	BEAM SPLI	3.70E+11
2350010612445	1240011816025	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	1240011816025	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	1240011816025	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	1240011816025	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	1240012027929	M1/IPM1	CELL ASSE	3.70E+11
2350010612445	1240012059663	M1/IPM1	PARTS KIT	3.70E+11
2350010612445	1240012059663	M1/IPM1	PARTS KIT	3.70E+11
2350010612445	1240012369137	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	1240012369137	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	1240012369137	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	1240012369137	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	1240012750077	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	1240012750077	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	1240012783843	M1/IPM1	PARTS KIT	3.70E+11
2350010612445	1240013193983	M1/IPM1	PARTS KIT	3.70E+11

**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
2350010612445	1240013242217	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	1240013242217	M1/IPM1	COLLIMATO	3.70E+11
2350010612445	2350010612445	M1	M1 TANK	3.70E+11
2350010612445	N/A	M1/IPM1	BEAMSPLIT	3.70E+11
2350010871095		M1A1	M1A1 TANK	3.70E+11
2350010871095	1240011363615	M1A1	COLLIMATO	3.70E+11
2350010871095	1240011363615	M1A1	COLLIMATO	3.70E+11
2350010871095	1240011871057	M1A1	COLLIMATO	3.70E+11
2350010871095	1240011871057	M1A1	COLLIMATO	3.70E+11
2350010871095	1240012027929	M1A1	CELL ASSE	3.70E+11
2350010871095	1240012059663	M1A1	PARTS KIT	3.70E+11
2350010871095	1240012766628	M1A1	COLLIMATO	3.70E+11
2350010871095	1240012766628	M1A1	COLLIMATO	3.70E+11
2350010871095	1240012783843	M1A1	PARTS KIT	3.70E+11
2350010871095	1240013138932	M1A1	COLLIMATO	3.70E+11
2350010871095	1240013138932	M1A1	COLLIMATO	3.70E+11
2350010871095	1240013193983	M1A1	PARTS KIT	3.70E+11
2350010871095	1240013803125	M1A1	COLLIMATO	3.70E+11
2350010871095	1240013803125	M1A1	COLLIMATO	3.70E+11
2350010871095	1240014090784	M1A1	COLLIMATO	3.70E+11
2350010871095	1240014090784	M1A1	COLLIMATO	3.70E+11
2350010871095	2350010871095	M1A1	M1A1 TANK	3.70E+11
2350010871095	N/A	M1A1	BEAMSPLIT	3.70E+11
2350010871095	N/A	M1A1	BEAM SPLI	3.70E+11
2350011368738		IPM1	IPM1 TANK	3.70E+11
2350011368738	1240011363615	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	1240011363615	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	1240011431613	M1/IPM1	CELL ASSE	3.70E+11
2350011368738	1240011431614	M1/IPM1	BEAM SPLI	3.70E+11
2350011368738	1240011816025	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	1240011816025	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	1240011816025	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	1240011816025	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	1240012027929	M1/IPM1	CELL ASSE	3.70E+11



**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
2350011368738	1240012059663	M1/IPM1	PARTS KIT	3.70E+11
2350011368738	1240012059663	M1/IPM1	PARTS KIT	3.70E+11
2350011368738	1240012369137	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	1240012369137	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	1240012369137	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	1240012369137	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	1240012750077	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	1240012750077	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	1240012783843	M1/IPM1	PARTS KIT	3.70E+11
2350011368738	1240013193983	M1/IPM1	PARTS KIT	3.70E+11
2350011368738	1240013242217	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	1240013242217	M1/IPM1	COLLIMATO	3.70E+11
2350011368738	2350011368738	IPM1	IPM1 TANK	3.70E+11
2350011368738	N/A	M1/IPM1	BEAMSPLIT	3.70E+11
2350012775770	1240003321780	M109/M110	COLLIMATO	3.70E+11
2350012775770	1290001691937	M109/M110	QUADRANT,	2.78E+09
2350012775770	2350012775770	M109A4	HOWITZER,	4.84E+11
2350012775770	4931011879713	M109/M110	ALIGNMENT	1.11E+11
2350012811719	1240003321780	M109/M110	COLLIMATO	3.70E+11
2350012811719	1290001691937	M109/M110	QUADRANT,	2.78E+09
2350012811719	2350012811719	M109A5	HOWITZER,	4.84E+11
2350012811719	4931011879713	M109/M110	ALIGNMENT	1.11E+11
2350013050028	1240003321780	M109/M110	COLLIMATO	3.70E+11
2350013050028	1290001691937	M109/M110	QUADRANT,	2.78E+09
2350013050028	2350013050028	M109A6	HOWITZER,	4.84E+11
2350013050028	4931011879713	M109/M110	ALIGNMENT	1.11E+11
2350013285964		M1A2	M1A2 TANK	3.70E+11
2350013285964	1240011871057	M1A2	COLLIMATO	3.70E+11
2350013285964	1240011871057	M1A2	COLLIMATO	3.70E+11
2350013285964	1240012766628	M1A2	COLLIMATO	3.70E+11
2350013285964	1240012766628	M1A2	COLLIMATO	3.70E+11
2350013285964	1240013138932	M1A2	COLLIMATO	3.70E+11
2350013285964	1240013138932	M1A2	COLLIMATO	3.70E+11
2350013285964	1240013193983	M1A2	PARTS KIT	3.70E+11

**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
2350013285964	1240013565887	M1A2	COLLIMATO	3.70E+11
2350013285964	1240013565887	M1A2	COLLIMATO	3.70E+11
2350013285964	1240013803125	M1A2	COLLIMATO	3.70E+11
2350013285964	1240013803125	M1A2	COLLIMATO	3.70E+11
2350013285964	1240014090784	M1A2	COLLIMATO	3.70E+11
2350013285964	1240014090784	M1A2	COLLIMATO	3.70E+11
2350013285964	2350013285964	M1A2	M1A2 TANK	3.70E+11
2350013285964	N/A	M1A2	CELL ASSE	3.70E+11
2350013285964	N/A	M1A2	BEAMSPLIT	3.70E+11
4931003415119	4931003415119	M140	ALIGNMENT	1.11E+11
4931003415119	6260003609445	M140	LAMP, NUCL	1.11E+11
4931003609445		NTN	CAP ASSY	1.11E+11
4931010485834	4931010485834	M139	ALIGNMENT	1.11E+11
4931010485834	6260003609445	M139	LAMP, NUCL	1.11E+11
4931011363615	1240011431614	NTN	CELL ASSY	3.70E+11
4931011816025			COLL TELE	3.70E+11
4931011816025	1290011431614	NTN	CELL ASSY	3.70E+11
4931011879713	4931011879713	M140	ALIGNMENT	1.11E+11
4931011879713	4931011879713	M140	ALIGNMENT	1.11E+11
4931011879713	6260003609445	M140	LAMP, NUCL	1.11E+11
4931011879713	6260003609445	M140	LAMP, NUCL	1.11E+11
4931012369137			COLL TELE	3.70E+11
4931013242217			COLL SET	3.70E+11
5335012128526			DIAL SCAL	4.44E+10
5355010533347		NTN	DIAL CONT	7.40E+10
5355010533354		NTN	SCALE IND	4.44E+10
5355010533356		NTN	LAMP NUCL	1.11E+08
5355010533447	5355010536448	NTN	DIAL CONT	7.40E+10
5355010536448		NTN	DIAL CONT	7.40E+10
5355010570115		NTN	DIAL CONT	7.40E+10
5355012128526		NTN	DIAL SCAL	4.44E+10
5355012128527		NTN	DIAL SCAL	1.85E+10
5355013422421		NTN	DIAL, CONT	7.40E+10
5355013431793		NTN	DIAL, SCAL	4.07E+10

**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
5355999632703			DIAL PNTR	3.70E+10
5355999636720		NTN	DIAL PNTR	1.89E+10
5355999636720	6260999959588	NTN	LAMP NUCL	1.89E+10
5355999642703		NTN	DIAL PNTR	3.96E+11
5355999642703	6260999959591	NTN	LAMP NUCL	3.96E+10
6240010438209		NTN	LAMP, NUCL	9.99E+10
6260002572770			LAMP NUCL	
6260002572773			LAMP NUCL	1.85E+10
6260002572774			LAMP NUCL	1.85E+10
6260003321783			COLL	3.70E+11
6260003609445			LAMP NUCL	1.11E+11
6260010480694		NTN	LAMP NUCL	8.14E+10
6260010519606		NTN	LAMP NUCL	1.67E+11
6260010533356		NTN	LAMP NUCL	1.11E+09
6260010562883		NTN	LAMP NUCL	3.70E+10
6260010964479		NTN	LAMP NUCL	3.70E+10
6260011137947		NTN	LAMP NUCL	4.07E+10
6260011143139		NTN	LAMP NUCL	2.78E+09
6260011143140		NTN	LAMP NUCL	2.22E+10
6260011143141		NTN	LAMP NUCL	2.78E+09
6260011143142		NTN	LAMP NUCL	1.85E+10
6260011334137		NTN	LAMP NUCL	1.63E+10
6260011353161		NTN	LAMP NUCL	2.22E+10
6260011363616		NTN	LAMP NUCL	1.48E+10
6260012128472		M 64A1	INDEX	1.11E+09
6260012805337			LAMP NUCL	4.44E+10
6260999654933		NTN	LAMP NUCL	7.03E+09
6260999959588		NTN	LAMP NUCL	1.89E+10
6260999959591		NTN	LAMP NUCL	4.07E+10
6260999959712		NTN	LAMP NUCL	9.99E+09
6269999959499		NTN	LAMP NUCL	2.04E+10
6645000897273		NTN	WATCH	9.25E+08
6645002407153		NTN	WATCH	9.25E+05
6645003403424		NTN	WATCH	5.55E+05

**APPENDIX G**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
6645006798203		NTN	WATCH	5.55E+05
6645006798707		NTN	WATCH	5.55E+05
6650012879710			OPTL INST	5.92E+10
6650013406082		NTN	MOUNT, TEL	1.85E+11
6650013415195		NTN	TELESCOPE	2.96E+10
9999003321779			MOD KIT	3.33E+11
UNASSIGNED 02		M 64	SIGHT	2.48E+11
UNASSIGNED 03		M 64A1	SIGHT	2.48E+11
UNASSIGNED 04	1240010505588	M 64	ELB TLSCP	5.92E+10
UNASSIGNED 05	1240010513657	M 64	MNT TLSCP	1.88E+11
UNASSIGNED 06	1240012018299	M 64A1	MNT TLSCP	5.92E+10
UNASSIGNED 07	1240012113608	M 64A1	ELB TLSCP	1.88E+11
UNASSIGNED 14		BW2G	SOURCE	8.88E+10

# **APPENDIX H**

## **AMCOM TRITIUM COMMODITY NSN SEQUENCE TO TYPE NUMBER CROSS REFERENCE**



**APPENDIX H**  
**H3 COMMODITIES**  
**NATIONAL STOCK NUMBER (NSN) IN NSN SEQUENCE**  
**CROSS REFERENCED TO TYPE NUMBER**

END ARTICLE NSN	PART NSN	END ARTICLE TYPE NUMBER	PART NAME	ACTIVITY (Bq)
1430001575981		NTN	TRLIMITER	1.85E+09
1430001575981A		MA 3859X	TRLIMITER	1.85E+09
1430001575981B		MD 80X16	TRLIMITER	1.11E+08
1430001788454		ANMPQ 51	HAWK RADA	1.85E+09
1430001788454	5960000130079	ANMPQ 51	TRLIMITER	1.85E+09
1430001788454	5960010130079	ANMPQ 51	TRLIMITER	1.85E+09
1430001788454	5960010130079	ANMPQ 51	TRLIMITER	1.11E+08
1430004339143		ANMPA 53		1.96E+09
1430004339143	5960004497994	ANMPA 53	TRLIMITER	1.85E+09
1430004339143	5960004497994	ANMPA 53	TRLIMITER	1.11E+08
1430004339144		ANMPA 55		1.96E+09
1430004339144	1430001575981	ANMPQ 55	TRLIMITER	1.11E+08
1430005864996		ANMPQ 54	MSSL RDR	1.96E+09
1430005864996	1430001575981	ANMPA 54	TRLIMITER	1.85E+09
1430005864996	1430001575981	ANMPA 54	TRLIMITER	1.11E+08
1430010876330		ANMPQ 53	TRLIMITER	1.85E+09
1430011112415		NTN	TRLIMITER	1.85E+09
5960000130079		NTN	TRLIMITER	1.85E+09
5960004497994		NTN	TRLIMITER	1.85E+09
5960004497994A		MA3899Z	TRLIMITER	1.85E+09
5960004497994B		MD 80K 7	TRLIMITER	1.11E+08
5960010130079		MA3959Z	TRLIMITER	1.85E+09
5960010130079		MD 80K24	TRLIMITER	1.11E+08
UNASSIGNED 01		MA3976C	TRLIMITER	1.85E+09
UNASSIGNED 08	1430001575981	10666285	TRLIMITER	1.85E+09
UNASSIGNED 09	5960004497994	10666421	TRLIMITER	1.85E+09
UNASSIGNED 10	5960004497994	10667055	TRLIMITER	1.85E+09
UNASSIGNED 11	5960004497994	10667057	TRLIMITER	1.85E+09
UNASSIGNED 12	5960004497994	NTN	TRLIMITER	1.85E+09
UNASSIGNED 13	5960004497994	NTN	TRLIMITER	1.85E+09





**APPENDIX I**

**ABBREVIATIONS**  
**AND**  
**DEFINITIONS**



**ABBREVIATIONS**

AMCOM	U.S. Army Aviation and Missile Command
Bq	Becquerels (disintegrations per second)
C.B.	Circuit Breaker
CECOM	U.S. Army Communications - Electronics Command
CFR	Code of Federal Regulations
Ci	Curie (3.70E10 disintegrations per second)
dps	Disintegrations per second
DOT	U.S. Department of Transportation
E.P.	Eye Piece
E.T.	Electron Tube
IAEA	International Atomic Energy Agency
IATA	International Air Transport Association
IAW	In accordance with
MDA	Minimum Detectable Activities
NRC	U.S. Nuclear Regulatory Commission
NSN	National Stock Number
NTN	No Assigned Joint Type Number
NVD	Night Vision Devices
OSC	U.S. Army Operations Support Command
RADIAC	Radiation, detection, indication and computation
RAM	Radioactive Material
RSO	Radiation Safety Officer
SBCCOM	U.S. Army Soldier and Biological Chemical Command
TACOM-RI	U.S. Army Tank-automotive & Armaments Command-Rock Island
TACOM-W	U.S. Army Tank-automotive & Armaments Command-Warren
TBq	Terabecquerels (1 trillion Bq, i.e., 1.0E+12 Bq)
T.I.	Transport Index
T.S.	Toggle Switch
UN	United Nations
USPS	U.S. Postal Service

**DEFINITIONS**

1. Contamination Wipe Survey - A survey for non-fixed (removable) radioactive contamination on surfaces. This is accomplished by wiping an area of 300 square centimeters of the surface concerned with an absorbent material using moderate pressure to determine the presence of radiological contamination.
2. Instruments or Articles - See "Radioactive instrument or article"
3. Limited Quantity of Class 7 (Radioactive) Material - A quantity of Class 7 (radioactive) material not exceeding the materials package limits specified in 49 CFR Part 173.425 and

conforming with requirements specified in 49 CFR Part 173.421.

4. Material Movement and Supply Documentation - Forms required for all shipments IAW applicable U.S. Army and DoD regulations. All shipments of instruments or calibrators to depots must include documentation describing the purpose of the shipment (e.g., calibration and return, turn-in for depot stock, etc.).

5. Non-Fixed Radioactive Contamination - Radioactive contamination that can be readily removed from a surface by wiping with an absorbent material.

6. Normal Form Radioactive Material - Radioactive material which has not been demonstrated to qualify as "Special Form Radioactive Material."

7. Package - For radioactive materials, the packaging together with its radioactive contents as presented for transport.

8. Packaging - For radioactive materials, the assembly of components necessary to ensure compliance with the packaging requirements of 49 CFR 173.24 and 173.410 through 173.419. It may consist of one or more receptacles, absorbent materials, spacing structures, thermal insulation, radiation shielding, and devices for cooling or absorbing mechanical shocks. The conveyance, tie-down system, and auxiliary equipment may sometimes be designated as part of the packaging.

9. Radiation Level - The radiation dose equivalent rate expressed in millirem per hour (mrem/hr).

10. Radiation Survey - This consists of measurements taken with an appropriate RADIAC instrument to ensure that the radiation level at the surface of a package meets the requirements of 49 CFR 173.441. A radiation survey is performed on certain incoming and all outgoing shipments of items containing radioactive materials.

11. Radioactive Instrument or Article - Any manufactured instrument such as a clock, electronic tube or apparatus, or similar article having Class 7 (radioactive) material in gaseous or non-dispersible solid form as a component part. Radioactive instruments or articles must conform with the requirements specified in 49 CFR Part 173.424.

12. Radioactive Contents - The radioactive material, together with any liquids or gases, within the package.

13. Radioactive Material - Any material having a specific activity greater than 0.002 microcuries per gram ( $\mu\text{Ci/g}$ ) or 74 Becquerels per gram ( $\text{Bq/g}$ ) (See definition of "Specific Activity").

14. Special Form Radioactive Material - Radioactive material which satisfies the following conditions:

- a. It is either a single solid piece or is contained in a sealed capsule that can be opened only by destroying the capsule;
- b. The piece or capsule has at least one dimension not less than 5 millimeters (0.197 inch); and
- c. It satisfies the test requirements of 49 CFR 173.469.

15. Specific Activity - Specific Activity of a radionuclide is the activity of the radionuclide per unit mass (gram) of that nuclide. The specific activity of a material in which the radionuclide is essentially uniformly distributed is the activity per unit mass (gram) of the material.

16. Transport Index (T.I.) - A dimensionless number representing the maximum radiation level in mrem/hr at 1 meter, as measured from the surfaces of the shipping container rounded up to the nearest tenth (i.e., 0.13 mrem/hr at 1 meter equals a T.I. of 0.2). If the radiation reading is in millisieverts per hour (mSv/hr), the T.I. is the reading in mSv/hr multiplied by 100 and raised to the nearest tenth.

17. Type A Package - Means a packaging that, together with its radioactive contents limited to A<sub>1</sub> or A<sub>2</sub> as appropriate, meets the requirements of §§173.410 and 173.412 and is designed to retain the integrity of containment and shielding required by this part (i.e., 173) under normal conditions of transport as demonstrated by the tests set forth in §173.465 or §173.466, as appropriate. A Type A package does not require Competent Authority Approval.

18. Type B Package – Means a Type B packaging that, together with its radioactive contents is designed to retain the integrity of containment and shielding required by this part (i.e., 173) when subjected to the normal conditions of transport and hypothetical accident test conditions set forth in 10 CFR Part 71.



## **APPENDIX J**

### **TABLE OF COMMON RADIOACTIVE COMMODITY ISOTOPES, USES, CHARACTERISTIC RADIATION AND DETECTION METHODS**





**Table of Common Radioactive Commodity Isotopes, Uses, Characteristic Radiation, and Detection Methods**

Radioactive Isotope	General Uses	Radiation emitted, energy level (MeV) and half life	Contamination detection methods
Americium, <sup>241</sup> Am, AM241	Moisture Density Tester (MC-1), Chemical agent detector, M43A1.	Alpha, 5.49 MeV 432.2 years	Alpha detector. AN/PDR 77 or equivalent. Wipe with NUCON wipe and count in low background alpha - beta system or use alpha survey instrument.
Cesium, <sup>137</sup> Cs, CS137	Calibration source (gamma) UDM-1A, for gamma radiation detectors , Moisture Density Tester (MC-1).	Gamma, 0.661 MeV Beta, 0.514 MeV 30.07 years	G-M tube (AN/VDR 2) or equivalent will detect. Swipe with NUCON wipes and count on low background alpha - beta system.
Cobalt, <sup>60</sup> Co, CO60	Calibration source (gamma) UDM-1, for gamma radiation detectors	Gamma, 1.173 & 1.332 MeV Beta, 0.314 MeV 5.27 years	G-M tube (AN/VDR 2) or equivalent will detect. Swipe with NUCON wipes and count on low background alpha - beta system.
Krypton, <sup>85</sup> Kr, KR85	Radiation check source	Gamma, 0.514 MeV Beta, 0.687 MeV 10.76 years	G-M tube (AN/VDR 2) or equivalent will detect .  KR85 is a noble gas and it will not contaminate surfaces. A leaking source will dissipate in the atmosphere.
Nickel, <sup>63</sup> Ni, NI63	Chemical Agent Monitor (CAM).	Beta, 0.067 MeV 100.1 years	<b><u>NOTE</u></b> <b>Low energy makes detection difficult.</b>  G-M tube (AN/VDR 2) will not detect . A thin window "Pancake" probe is best. Swipe with Metrical wipes and count on Liquid Scintillation Counting System.

**Table of Common Radioactive Commodity Isotopes, Uses, Characteristic Radiation, and Detection Methods (cont'd)**

Radioactive Isotope	General Uses	Radiation emitted, energy level (MeV) and half life	Contamination detection methods
Plutonium, <sup>239</sup> Pu, PU239	Calibration source (alpha) UDM-6, for alpha radiation detectors	Alpha, 5.245 MeV 24,110 years	Alpha detector. AN/PDR 77 or equivalent. Wipe with NUCON wipe and count in low background alpha - beta system or use alpha survey instrument.
Promethium, <sup>147</sup> Pm, PM147	Rifle sights, radio-luminous devices	Beta, 0.224 MeV Gamma, 0.121 MeV 2.63 years	G-M tube (AN/VDR 2) or equivalent. Swipe with NUCON wipes and count on low background alpha - beta system.
Radium <sup>226</sup> Ra, RA226	Toggle switches, knobs, meters, watches, compasses luminous paint.	Gamma, 0.186 MeV Alpha, 4.780 MeV 1600 years	G-M tube (AN/VDR 2) or equivalent. Swipe with NUCON wipes and count on low background alpha - beta system.
Strontium, <sup>90</sup> Sr, SR90	Calibration source, UDM-2, for gamma radiation detectors	Beta, 0.546 MeV 28.79 years	G-M tube (AN/VDR 2) or equivalent will detect. Wipe with NUCON wipes and count on low background alpha - beta system.
Thorium, <sup>232</sup> Th, TH232	Lens, engine parts, ignition exciters, night vision sights.	Alpha, 4.01 MeV (weak x-ray and Beta from daughters) 1.4 E10 years	Alpha detector, "Pancake" G-M tube. Swipe with NUCON wipes and count in low background alpha - beta system. (Night vision systems only require wipes for maintenance/damage).
Tritium, <sup>3</sup> H, T, or H3	Meter faces, dials, compasses, watches, collimator, telescopes, fire control devices, rifle sights, radio-luminous devices.	Beta, 0.018 MeV (very weak) 12.33 years	<b><u>NOTE</u></b> <b><u>Tritium cannot be detected using field survey meters.</u></b>  Perform wipe tests using Metrical filter for swipe. Dampen filter with a few drops of demineralized water before use. Wipes can only be counted in a Liquid Scintillation Counting system.

# **APPENDIX K**

## **TABLE OF RADIOACTIVE MATERIAL SHIPPING LIMITS**



**RADIOACTIVE MATERIAL SHIPPING LIMITS****Limited Quantities, Instruments & Articles and Type A package activity limits for common isotopes in military commodities in Bq**

	US Postal Service			Commercial Carrier			
NUCLIDE	LQ PKG	Each. I&A	Each I&A PKG	LQ PKG	Each I&A	Each I&A PKG	TYPE A
<b>Am241</b>							
<b>SPECIAL FORM</b>	2.0E08	2.0E09	2.0E11	2.0E09	2.0E10	2.0E12	2.0E12
<b>NORMAL FORM</b>	2.0E04	2.0E05	2.0E07	2.0E05	2.0E06	2.0E08	2.0E08
<b>Co60</b>							
<b>SPECIAL FORM</b>	4.0E07	4.0E08	4.0E10	4.0E08	4.0E09	4.0E11	4.0E11
<b>NORMAL FORM</b>	4.0E07	4.0E08	4.0E10	4.0E08	4.0E09	4.0E11	4.0E11
<b>Cs137</b>							
<b>SPECIAL FORM</b>	2.0E08	2.0E09	2.0E11	2.0E09	2.0E10	2.0E12	2.0E12
<b>NORMAL FORM</b>	5.0E07	5.0E08	5.0E10	5.0E08	5.0E09	5.0E11	5.0E11
<b>H3</b>							
<b>ALL FORMS</b>	8.0E10	8.0E10	8.0E11	8.0E11	8.0E11	8.0E12	4.0E13
<b>Kr85</b>							
<b>SPECIAL FORM</b>	1.0E09	1.0E10	1.0E12	1.0E10	1.0E11	1.0E13	1.0E13
<b>NORMAL FORM</b>	1.0E09	1.0E10	1.0E12	1.0E10	1.0E11	1.0E13	1.0E13
<b>Ni63</b>							
<b>SPECIAL FORM</b>	4.0E09	4.0E10	4.0E12	4.0E10	4.0E11	4.0E13	4.0E13
<b>NORMAL FORM</b>	3.0E09	3.0E10	3.0E12	3.0E10	3.0E11	3.0E13	3.0E13

**Limited Quantities, Instruments & Articles and Type A package activity limits for common isotopes in military commodities in Bq**

	US Postal Service			Commercial Carrier			
NUCLIDE	LQ PKG	Each. I&A	Each I&A PKG	LQ PKG	Each I&A	Each I&A PKG	TYPE A
<b>Pm147</b>							
<b>SPECIAL FORM</b>	4.0E09	4.0E10	4.0E12	4.0E10	4.0E11	4.0E13	4.0E13
<b>NORMAL FORM</b>	9.0E07	9.0E08	9.0E10	9.0E08	9.0E09	9.0E11	9.0E11
<b>Pu239</b>							
<b>SPECIAL FORM</b>	2.0E08	2.0E09	2.0E11	2.0E09	2.0E10	2.0E12	2.0E12
<b>NORMAL FORM</b>	2.0E04	2.0E05	2.0E07	2.0E05	2.0E06	2.0E08	2.0E08
<b>Ra226</b>							
<b>SPECIAL FORM</b>	2.0E07	2.0E08	2.0E10	2.0E08	2.0E09	2.0E11	2.0E11
<b>NORMAL FORM</b>	3.0E05	3.0E06	3.0E08	3.0E06	3.0E07	3.0E09	3.0E09
<b>Sr90</b>							
<b>SPECIAL FORM</b>	2.0E07	2.0E08	2.0E10	2.0E08	2.0E09	2.0E11	2.0E11
<b>NORMAL FORM</b>	1.0E07	1.0E08	1.0E10	1.0E08	1.0E09	1.0E11	1.0E11

**NOTES:****1 TBq = 1.0E+12 Bq****1 Ci = 3.7E+10 Bq = 3.7E-02 TBq****To convert Curies to Bq: Multiply Curies by 3.7E+10****To convert Bq to Curies: Divide Bq by 3.7E+10****To convert Bq to TBq: Divide Bq by 1.0E+12****The activity limits for Th232 are “unlimited.”**

# **APPENDIX L**

## **SAMPLE RADIOACTIVE MATERIAL MOVEMENT FORM**





## RADIOACTIVE MATERIAL MOVEMENT FORM

<b>CHECK ONE:</b> <input type="checkbox"/> <b>SHIPMENT</b> <input type="checkbox"/> <b>RECEIPT</b>					<b>Movement Number:</b> _____	
<b>From:</b> _____			<b>To:</b> _____			
<b>COMMODITY DESCRIPTION</b>						
Number of Containers	QTY	NSN	Nomenclature	Isotope	Activity	Total Activity
<b>MODE OF SHIPMENT</b> <input type="checkbox"/> Air <input type="checkbox"/> Truck <input type="checkbox"/> Rail <input type="checkbox"/> Water <input type="checkbox"/> Parcel Post <input type="checkbox"/> Other		<b>PHYSICAL CHARACTERISTICS</b> <input type="checkbox"/> Special Form <input type="checkbox"/> Normal Form  <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas		<b>RADIATION SURVEY RESULTS</b> Instrument/Detector Used: _____ SN: _____ Calibration Void: _____ Surface: _____ mrem/hr Background: _____ mrem/hr Transport Index: _____		
<b>WIPE TEST RESULTS</b>						
Wipe Taken by: _____  Date: _____		Sample Counted by: _____  Date: _____		Removable: _____ dpm/100 cm <sup>2</sup>  LLD: _____ µCi _____ Bq		
<b>BASIC DESCRIPTION</b>						
<input type="checkbox"/> Radioactive Material, Excepted Package – Instruments or Articles, 7, UN 2911 <input type="checkbox"/> Radioactive Material, Excepted Package - Limited Quantity of Material, 7, UN2910 <input type="checkbox"/> Radioactive Material, Excepted Package - Articles Manufactured from Natural or Depleted Uranium or Natural Thorium, 7, UN 2909 <input type="checkbox"/> Radioactive Material, Excepted Package - Empty Packaging, 7, UN 2908 <input type="checkbox"/> Radioactive Material, Type A Package, Special Form, 7, UN 3332 <input type="checkbox"/> Radioactive Material, Type A Package, 7, UN 2915 <input type="checkbox"/> Radioactive Material, _____ (fill in the blank)						
<b>Labeling</b> <input type="checkbox"/> White I <input type="checkbox"/> Yellow II <input type="checkbox"/> Yellow III <input type="checkbox"/> Exempt <input type="checkbox"/> Cargo Aircraft		<b>Marking(s)</b> <input type="checkbox"/> Radioactive <input type="checkbox"/> Radioactive LSA <input type="checkbox"/> UN Number <input type="checkbox"/> Other ( _____ ) <input type="checkbox"/> Other ( _____ )			<b>Shipping Papers</b> <input type="checkbox"/> Included & Complete <input type="checkbox"/> Exempt	
24 HOUR EMERGENCY RESPONSE PHONE NUMBER: _____ THE DOSERATE FOR EACH INSTRUMENT or ARTICLE IS < 10 mrem/hr AT 4 INCHES _____ (Initial) CERTIFICATION STATEMENT(S) INCLUDED _____ (Initial) COMMENTS: _____						
Printed Name of RSO or Designee: _____			Signature: _____		Date: _____	

L-1/(L-2 blank)



**APPENDIX M**

**ACTIVITY CONVERSION**  
**CHART**



## ACTIVITY CONVERSION CHART

<b>IF YOU HAVE:</b>	<b>MULTIPLY BY:</b>	<b>TO OBTAIN:</b>
<b>CURIE</b>		<b>BECQUEREL</b>
Curie (Ci)	3.70 E10	Bq
millicurie (mCi)	3.70 E07	Bq
microcurie (μCi)	3.70 E04	Bq

Example:

$$2.2 \text{ Ci} \times 3.70 \text{ E10} = 8.14 \text{ E10 Bq}$$

$$180 \text{ mCi} \times 3.70 \text{ E07} = 6.66 \text{ E09 Bq}$$

$$10 \text{ μCi} \times 3.70 \text{ E04} = 3.70 \text{ E05 Bq}$$

<b>IF YOU HAVE:</b>	<b>DIVIDE BY:</b>	<b>TO OBTAIN:</b>
<b>BECQUEREL</b>		<b>CURIE</b>
Bq	3.70 E10	Ci
Bq	3.70 E07	mCi
Bq	3.70 E04	μCi

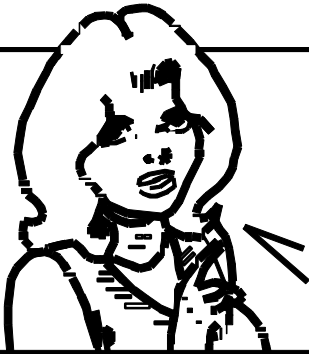
Example:

$$2.22 \text{ E10 Bq} \div 3.70 \text{ E10} = 0.60 \text{ Ci}$$

$$2.22 \text{ E10 Bq} \div 3.70 \text{ E07} = 6.00 \text{ E02 mCi}$$

$$2.22 \text{ E04 Bq} \div 3.70 \text{ E04} = 0.60 \text{ μCi}$$



**SOMETHING WRONG****WITH THIS PUBLICATION**

THEN ... JOT DOWN THE INFO  
ABOUT IT ON THIS FORM.  
CAREFULLY TEAR IT OUT.  
FOLD IT AND DROP IT IN THE  
MAIL.

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)  
Commander  
Stateside Army Depot  
ATTN: AMSTA-US  
Stateside, N.J. 07703-5007

DATE SENT

10 July 1975

PUBLICATION NUMBER

TM 11-5840-340-20

PUBLICATION DATE

23 Jan 74

PUBLICATION TITLE

Radar Set AN/PRC-76

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IN THIS SPACE TELL WHAT IS WRONG  
AND WHAT SHOULD BE DONE ABOUT IT:PAGE  
NOPARA  
GRAPHFIGURE  
NOTABLE  
NO

2-25

2-28

Recommend that the installation antenna alignment  
procedure be changed throughout to specify a 20 IFF  
antenna lag rather than 10.

REASON: Experience has shown that with only a 10 lag,  
the antenna servo system is too sensitive to wind gusting in  
excess of 25 knots, and has a tendency to rapidly accelerate  
and decelerate as it hunts, causing strain to the drive train.  
Hunting is minimized by adjusting the lag to 20 without  
degradation of operation.

3-10

3-3

3-1

Item 5, Functional column. Change • 2 dB" to • 3 dB".

REASON: The adjustment procedure for the TRANS POWER  
FAULT indicator calls for a 3 dB (500 watts) adjustment to light  
the TRANS POWER FAULT indicator.

5-6

5-8

Add new step f.1 to read, • Replace cover plate removed in  
step f.1, above."

REASON: To replace the cover plate.

FO-3

Zone C 3. On J1-2, change • +24 VDC" to • +5 VDC".

REASON: This is the output line of the 5 VDC power supply.  
+24 VDC is the input voltage.

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER

SSG I. M. DeSpirito 999-1776

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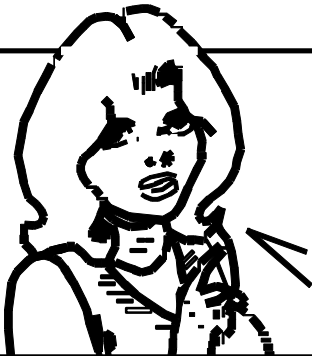
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TEAR ALONG DOTTED LINE



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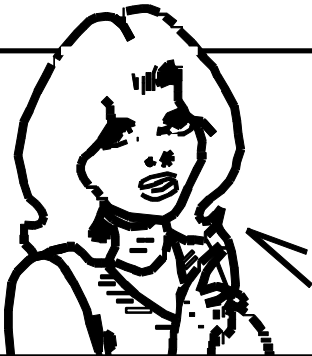
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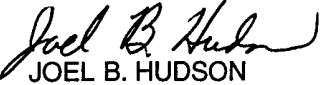
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Fort Monmouth, New Jersey 07703-5006**

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Secretary of the Army*  
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